Syllabus for 2022 1st semester

The result of the most recent course evaluation: ★★★★★

[Course Basic Information]

Course Title	Database Management			Classroom	
				Lecture Time	Tue(3 ~ 5)
Attachment	No file	Course Language	Module (M)	Intensive Session	
Department	Department of Industrial and Systems Engineering[IT Management]			Grade/ Semester	2 / 1
Credit Classification	Major Electives	Credits	3 (Theory:3, Practice:0)	Course Code/ Class Code	146058 / 21001
Lecture Type	☐ Offline ☐ Online ☑ Blended ☐ Team Teaching				
Teaching Methods	☐ Lecture ☐ Discussion ☑ Project-based/Problem-based ☐ Laboratory Practice ☐ Flipped ☐ Internship ☐ Studio ☐ etc.				

EPiC Core Competency	Humanities 0 %	Communication 0 %	Academic 60 %	Global 0 %	Creativity 20 %	Convergence 20 %

[Prof. Information]

Prof. Name	Kwon, Hyuk-Yoon	Office Bldg.	
Phone		E-mail	hyukyoon.kwon@seoultech.ac.kr
Home Page		Office Hours	

[Course Overview]

Course Overview	In this course, students will learn basic theory of the database such as E-R model, database design, normalization, and indexing. Especially, basic and advanced SQL usages will be covered. Students will practice how to use the Oracle database system, which is the dominant database system in the world.
Course Objectives	The aim of this course for students to learn and practice the database systems

Grading System	① Attendance ☐	② Mid term ☑	③ Final ☑	④ Homework ☑	⑤ Team ☑	⑥ Others ☐
배점(비율)	0 %	30 %	40 %	10 %	20 %	0 %
평가방법 상세	Evaluation • Mid-term exam: 30% • Final exam: 40% • Lab assignment: 10% • Project: 20%					

Textbooks & References	Database System Concepts, Abraham Silberschatz, Henry F. Korth, and S. Sudarshan, McGraw-Hill.
Classroom Equipment	PC - Oracle Database (Developer version can be found here: http://www.oracle.com/technetwork/database/enterprise-edition/downloads/index.html)

[출결관리기준]

(학칙 제77조제3항) 수업일수 3분의 2이상 출석하고, 시험성적이 D0 이상이면 취득학점으로 인정
* 3분의 1초과 결석 시에는 출석미달로 "F"학점 부여
(학사관리규정 제22조의4) 지각 3회는 결석 1회로 환산 처리

[장애학생 지원 사항]

장애로 인하여 학습에 어려움을 겪는 경우 담당 교수와 상담을 통해 수업에 필요한 편의를 제공받을 수 있음
장애학생지원센터 : 제2학생회관 2층 201호 (Tel. 02-970-6054)

[Course Schedule]

Week	Contents	Lecture Methods, Assignments, Contents of Evaluation
1	Overview	Online or offline
2	Relational model	Online or offline
3	SQL1	Online or offline
4	SQL2	Online or offline
5	SQL3	Online or offline
6	Database design1	Online or offline
7	Mid-term exam	Online or Offline
8	Individual presentation - Part1	Online or Offline

9	Database design2	Online or offline
10	Indexing1	Online or offline
11	Indexing2	Online or offline
12	Transactions1	Online or offline
13	Transactions2	Online or offline
14	Final exam	Online or Offline
15	Individual presentation - Part2	Online or Offline