Tamkang University Academic Year 109, 2nd Semester Course Syllabus

Course Title	Course Title DATABASE SYSTEMS		CHEN, DUEN-KAI		
TQICB2R Course Class DIVISION OF SOFTWARE ENGINEERING, DEPARTMENT OF INNOVATIVE INFORMATION AND TECHNOLOGY (ENGLISH-TAUGHT		Details	◆ General Course ◆ Required ◆ One Semester		
Relevance to SDGs	PROGRAM), 2R SDG4 Quality education				
Departmental Aim of Education					
Cultivate professional talents in developing and applying information system in various fields.					
Subject Departmental core competences					
E. Capabili	ty of integrating information system(ratio:100.00)				
	Subject Schoolwide essential virtues				
2. Informa	tion literacy. (ratio:70.00)				
3. A vision for the future. (ratio:10.00)					
5. Indeper	ndent thinking. (ratio:10.00)				
7. A spirit of teamwork and dedication. (ratio:10.00)					
In this course, we will learn the fundamentals of a database. Two major concepts, the relational model and the design method, will be discussed throughout the course. Course Introduction					

The correspondences between the course's instructional objectives and the cognitive, affective, and psychomotor objectives.

Differentiate the various objective methods among the cognitive, affective and psychomotor domains of the course's instructional objectives.

I. Cognitive: Emphasis upon the study of various kinds of knowledge in the cognition of the course's veracity, conception, procedures, outcomes, etc.

II. Affective: Emphasis upon the study of various kinds of knowledge in the course's appeal, morals, attitude, conviction, values, etc.

III.Psychomotor: Emphasis upon the study of the course's physical activity and technical manipulation.

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No.		objective methods				
1	How to use relational	Psychomotor				
2	How to use SQL to ma	Cognitive				
3	How to design the pro	Psychomotor				
4	The role of a data bas	Cognitive				
5	How to connect and operate a database by programming APIs Psychomotor					
	The correspondences of teaching objectives: core competences, essential virtues, teaching methods, and assessment					
No.	Core Competences	Essential Virtues	Teaching Methods	Assessment		
1	E	25	Lecture	Testing, Study Assignments, Discussion(including classroom and online)		
2	E	25	Lecture, Experience	Testing, Study Assignments, Discussion(including classroom and online), Report(including oral and written)		
3	E	2357	Lecture, Experience	Testing, Study Assignments, Discussion(including classroom and online), Report(including oral and written)		
4	Е	2	Lecture	Testing, Study Assignments		
5	Е	25	Lecture	Testing, Study Assignments		
	Course Schedule					
Wee	Date Course Contents Note					

1	110/02/22 ~ 110/02/28	Course overview	
2	110/03/01 ~ 110/03/07	Preparation of a database environment and Database Fundamentals (1)	
3	110/03/08 ~ 110/03/14	Database Fundamentals (2)	
4	110/03/15 ~ 110/03/21	Basic Database Analysis (1)	
5	110/03/22 ~ 110/03/28	Basic Database Analysis (2)	
6 110/03/29 ~ 110/04/04		Teaching administration observation period & National holidays	
7	110/04/05 ~ 110/04/11	Advanced Database Analysis	
8	110/04/12 ~ 110/04/18	Relational Database Design (1)	
9	110/04/19 ~ 110/04/25	Relational Database Design (2)	
10	110/04/26 ~ 110/05/02	Midterm Exam Week	
11	110/05/03 ~ 110/05/09	Relational Database Design (3)	
12	110/05/10 ~ 110/05/16	Physical Database Design	
13	110/05/17 ~ 110/05/23	Basic SQL (1)	
14	110/05/24 ~ 110/05/30	Basic SQL (2)	
15	110/05/31 ~ 110/06/06	Basic SQL (3)	
16	110/06/07 ~ 110/06/13	Advanced SQL (1)	
17	110/06/14 ~ 110/06/20	Advanced SQL (2)	
18	110/06/21 ~ 110/06/27	Final Exam Week	
R€	equirement	Late submission of assignment is not allowed. No "make-up" exams or assignments, students will be evaluated based on midterm/final exam and assignments only.	
Teaching Facility		Computer, Projector	
Textbooks and Teaching Materials		Jeffery A. Hoffer et al., Modern Database Management, 12th ed., Pearson Education Limited, 2016.	
F	References		

Number of Assignment(s)	8 (Filled in by assignment instructor only)	
Grading Policy	 ↑ Attendance: %	
Note	This syllabus may be uploaded at the website of Course Syllabus Management System at http://info.ais.tku.edu.tw/csp or through the link of Course Syllabus Upload posted on the home page of TKU Office of Academic Affairs at http://www.acad.tku.edu.tw/CS/main.php . ** Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.	

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