Tamkang University Academic Year 109, 1st Semester Course Syllabus

Course Title	DATA STRUCTURE & PROCESSING	Instructor	FENG-CHENG CHANG				
Course Class	TQICB2A DIVISION OF SOFTWARE ENGINEERING, DEPARTMENT OF INNOVATIVE INFORMATION	Details	◆ General Course ◆ Required ◆ One Semester				
	AND TECHNOLOGY (ENGLISH-TAUGHT		<u> </u>				
PROGRAM), 2A _{Departmental} Aim of Education							
Cultivate professional talents in developing and applying information system in various fields.							
Subject Departmental core competences							
A. Capability of computer program coding, process planning, and problem solving(ratio:100.00)							
	Subject Schoolwide essential virtues						
2. Informa	tion literacy. (ratio:70.00)						
5 Indeper	ndent thinking. (ratio:20.00)						
3. Indeper	ident tilliking. (ratio.20.00)						
8. A sense	of aesthetic appreciation. (ratio:10.00)						
Course Introduction	This course focus on using C programming language to solve application and computer. It emphasizes data storage, fetch, and complexity evaluation						

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.

L.,									
No.			objective methods						
1	Understandir	ng the ba	Cognitive						
2	Promoting p	rogramm	Cognitive						
3	To possess th	ne ability	Cognitive						
	The correspondences of teaching objectives: core competences, essential virtues, teaching methods, and assessment								
No.	Core Competences		Essential Virtues	Teaching Methods	Assessment				
1	. A		258	Lecture	Testing				
2	А		258	Lecture	Testing				
3	А		258	Lecture	Testing				
	Course Schedule								
Weel	Date	Course Contents			Note				
1	109/09/14 ~ 109/09/20	Structures							
2	109/09/21 ~ 109/09/27	Structures							
3	109/09/28 ~ 109/10/04	Pointers							
4	109/10/05 ~ 109/10/11	Linked Lists							
5	109/10/12 ~ 109/10/18	Linked Lists							
6	109/10/19 ~ 109/10/25	Stacks and Queues							
7	109/10/26 ~ 109/11/01	Stacks and Queues							
8	109/11/02 ~ 109/11/08	Introduction to Binary Trees							
9	109/11/09 ~ 109/11/15	Introduction to Binary Frees							

10	109/11/16 ~ 109/11/22	Midterm Exam Week				
11	109/11/23 ~ 109/11/29	Introduction to Binary Trees				
12	109/11/30 ~ 109/12/06	Sorting				
13	109/12/07 ~ 109/12/13	Sorting				
14	109/12/14 ~ 109/12/20	Graphs				
15	109/12/21 ~ 109/12/27	Graphs				
16	109/12/28 ~ 110/01/03	Hashing				
17	110/01/04 ~ 110/01/10	Hashing				
18	110/01/11 ~ 110/01/17	Final Exam Week				
Requirement		There will be at least 6 assignments and 4 quizzes. Additional rules about the grading are:There is no make-up quiz and assignment if you miss the deadline without a reason.				
Teaching Facility		Computer				
Textbooks and Teaching Materials		Data Structures In C by Noel Kalicharan (Aug 11, 2008)				
References		C/C++/Java related materials				
Number of Assignment(s)		6 (Filled in by assignment instructor only)				
Grading Policy		 ◆ Attendance: % ◆ Mark of Usual: 50.0 % ◆ Midterm Exam: 20.0 % ◆ Final Exam: 20.0 % ◆ Other ⟨control points⟩: 10.0 % 				
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.				

TQICB2E0651 0A Page:3/3 2020/7/29 21:12:44