Tamkang University Academic Year 108, 1st Semester Course Syllabus

Course Title	PROGRAM DESIGN	Instructor	FENG-CHENG CHANG				
Course Class	TQICB1A DIVISION OF SOFTWARE ENGINEERING, DEPARTMENT OF INNOVATIVE INFORMATION	Details	 General Course Required One Semester 				
	'AND TECHNOLOGY (ENGLISH-TAUGHT PROGRAM), 1A 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. Informat	2. Information literacy. (ratio:70.00)						
5. Independ	dent thinking. (ratio:10.00)						
7. A spirit o	f teamwork and dedication. (ratio:10.00)						
8. A sense o	of aesthetic appreciation. (ratio:10.00)						
	Introduce the concepts of programs and flows, learn how to a procedural style, and finally implement in C language.	represent a so	lution in				
Course							
muoduction							

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. 						
No.	Teaching Objectives objective methods					
1	Concepts of p	program	Cognitive			
2	Analyze the e	executior	Psychomotor			
3	Implement a	program		Psychomotor		
	The c	orrespond	dences of teaching objectives	: core competences, essential virtues, teaching me	thods, and assessment	
No.	Core Competences		Essential Virtues	Teaching Methods	Assessment	
1	A		25	Lecture, Discussion	Testing, Study Assignments, Discussion(including classroom and online)	
2	A		25	Lecture, Discussion	Testing, Study Assignments, Discussion(including classroom and online)	
3	A		25	Lecture, Discussion	Testing, Study Assignments, Discussion(including classroom and online)	
Course Schedule						
Week	Date		Cour	se Contents	Note	
1	108/09/09 ~ 108/09/15	Introduction to Computer Programs				
2	108/09/16~ 108/09/22	Problem Solving by Procedural Approach (1)				
3	108/09/23 ~ 108/09/29	Problem Solving by Procedural Approach (2)				
4	108/09/30~ 108/10/06	Basic Programming Language Elements				
5	108/10/07~ 108/10/13	Introduction to C (1)				
6	108/10/14 ~ 108/10/20	Introduction to C (2)				

7	108/10/21~ 108/10/27	Lexical Structure of C (1)			
8	108/10/28 ~ 108/11/03	Lexical Structure of C (2)			
9	108/11/04 ~ 108/11/10	Lexical Structure of C (3)			
10	108/11/11 ~ 108/11/17	Midterm Exam Week			
11	108/11/18~ 108/11/24	Modules			
12	108/11/25~ 108/12/01	Realize Your Algorithm Using C (1)			
13	108/12/02 ~ 108/12/08	Realize Your Algorithm Using C (2)			
14	108/12/09~ 108/12/15	More on Pointers and Arrays			
15	108/12/16~ 108/12/22	More on formatted input/output			
16	108/12/23~ 108/12/29	Files (1)			
17	108/12/30~ 109/01/05	Files (2)			
18	109/01/06~ 109/01/12	Final Exam Week (Date:109/1/3-109/1/9)			
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, Projector			
Textbooks and Teaching Materials		K. N. King, C Programming - A Modern Approach, 2nd Ed., W. W. Norton & Company, Inc., 2008.			
References		W. Savitch, Problem Solving with C++, 8th Ed., Pearson International Edition, Addison Wesley, 2012.			
Number of Assignment(s)		10 (Filled in by assignment instructor only)			
Grading Policy		 Attendance: % ◆ Mark of Usual:10.0 % ◆ Midterm Exam: 20.0 % Final Exam: 20.0 % Other ⟨assignment and quiz⟩:50.0 % 			
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. Wunauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications. 			

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