## Tamkang University Academic Year 110, 1st Semester Course Syllabus

Course Title	COMPUTER PROGRAMMING	Instructor	FENG-CHENG CHANG
TEIDB1A  Course Class  DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION ENGINEERING (ENGLISH-TAUGHT PROGRAM)SCIENCE AND		Details	<ul><li>◆ General Course</li><li>◆ Required</li><li>◆ One Semester</li></ul>
Relevance to SDGs	INFORMATION ENGINEERING, 1A SDG4 Quality education	'	
	Departmental Aim of Educ	cation	
I. Comp	rehend professional knowledge.		
П. Acquir	e mastery of Practical Skills.		
Ⅲ. Establi	sh creative achievement.		
	Subject Departmental core competen	ces	
C. Implem	nming and application ability.(ratio:80.00) enting computer systems ability.(ratio:10.00) onal skills for information technology (IT) industry.(ratio:10.00)		
	Subject Schoolwide essential virtue	S	
2 Informs	ation literacy. (ratio:70.00)		
	ndent thinking. (ratio:30.00)		
	Introduce the concepts of programs and flows, learn how to a procedural style, and finally implement in C language.	represent a sc	olution in
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.

	manipulation.							
No.			objective methods					
1	Concepts of	program	Cognitive					
2	Analyze the 6	execution	Psychomotor					
3	Implement a	program	Psychomotor					
	The correspondences of teaching objectives: core competences, essential virtues, teaching methods, and assessment							
No.	Core Competences		Essential Virtues	Teaching Methods	Assessment			
1	А		25	Lecture, Discussion	Testing, Study Assignments, Discussion(including classroom and online)			
2	ACE		25	Lecture, Discussion	Testing, Study Assignments, Discussion(including classroom and online)			
3	ACE		25	Lecture, Discussion	Testing, Study Assignments, Discussion(including classroom and online)			
	Course Schedule							
Wee	k Date		Course Contents Note					
1	110/09/22 ~ 110/09/28	Introdu	Introduction to Computer Programs					
2	110/09/29 ~ 110/10/05	Proble	Problem Solving by Procedural Approach (1)					
3	110/10/06 ~ 110/10/12	Proble	Problem Solving by Procedural Approach (2)					
4	110/10/13 ~ 110/10/19	Basic Programming Language Elements						
5	110/10/20 ~ 110/10/26	Introduction to C (1)						
6	110/10/27 ~ 110/11/02	Introduction to C (2)						

7	110/11/03 ~ 110/11/09	Lexical Structure of C (1)		
8	110/11/10 ~ 110/11/16	Lexical Structure of C (2)		
9	110/11/17 ~ 110/11/23	Midterm Exam Week		
10	110/11/24 ~ 110/11/30	Lexical Structure of C (3)		
11	110/12/01 ~ 110/12/07	Modules		
12	110/12/08 ~ 110/12/14	Realize Your Algorithm Using C (1)		
13	110/12/15 ~ 110/12/21	Realize Your Algorithm Using C (2)		
14	110/12/22 ~ 110/12/28	More on Pointers and Arrays		
15	110/12/29 ~ 111/01/04	More on formatted input/output		
16	111/01/05 ~ 111/01/11	Files (1)		
17	111/01/12 ~ 111/01/18	Files (2) and Final Evaluation		
18	111/01/19 ~ 111/01/25	Supplementary Topics		
Requirement		The assignments include homework and quizzes/exams. There is no make-up assignment if you miss it 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		<ul> <li>Attendance: %</li></ul>		
Note		This syllabus may be uploaded at the website of Course Syllabus Management System at <a href="http://info.ais.tku.edu.tw/csp">http://info.ais.tku.edu.tw/csp</a> or through the link of Course Syllabus Upload posted on the home page of TKU Office of Academic Affairs at <a href="http://www.acad.tku.edu.tw/CS/main.php">http://www.acad.tku.edu.tw/CS/main.php</a> .  ** Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.		

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