Tamkang University Academic Year 109, 1st Semester Course Syllabus

Course Title	SOFTWARE ENGINEERING	Instructor	FENG-CHENG CHANG			
Course Class	e Class TQICB4A DIVISION OF SOFTWARE ENGINEERING, DEPARTMENT OF INNOVATIVE INFORMATION DEPARTMENT OF INNOVATIVE INFORMATION					
PROGRAM), ^{4A} Departmental Aim of Education						
Cultivate pro	Cultivate professional talents in developing and applying information system in various fields.					
Subject Departmental core competences						
D. Capabili	ty of developing information system(ratio:100.00)					
	Subject Schoolwide essential virtues					
2. Informa 5. Indeper 7. A spirit 8. A sense	tion literacy. (ratio:70.00) ndent thinking. (ratio:10.00) of teamwork and dedication. (ratio:10.00) of aesthetic appreciation. (ratio:10.00)					
Course Introduction	Combining the fundamental knowledge of information syste experiences of programming, learn how to develop high qua engineering approaches. Due to the diversity of program development capability, the schedule of each student is different. The listed topics are for Note that this course comes with extra 18 service-learning ho	ems and the lity software b actual learning reference. ours.	y 9			

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								
	Teaching Objectives							
No.								
1	Learn what is	software	Cognitive					
2	Learn the rela	ated soft	odologies and tools	Psychomotor				
3	Develop software by a certain process, including the analysis/designPsychomotortechniques							
	The c	orrespond	lences of teaching objectives	: core competences, essential virtues, teaching me	thods, and assessment			
No.	o. Core Competences		Essential Virtues	Teaching Methods	Assessment			
1	. D		257	Lecture, Discussion	Testing, Study Assignments, Discussion(including classroom and online)			
2	? D		2578	Lecture, Discussion	Testing, Study Assignments, Discussion(including classroom and online)			
3	3 D		2578	Lecture, Discussion	Testing, Study Assignments, Discussion(including classroom and online)			
Course Schedule								
Week	Date		Cour	rse Contents	Note			
1	109/09/14 ~ 109/09/20	Introduction						
2	109/09/21~ 109/09/27	Software Life Cycle						
3	109/09/28~ 109/10/04	Software Development Process						
4	109/10/05~ 109/10/11	Software Modeling						
5	109/10/12~ 109/10/18	Requirement Analysis						
6	6 ^{109/10/19~} 109/10/25 Object Oriented Analysis							

7	109/10/26~ 109/11/01 Object Oriented Design			
8	109/11/02~ 109/11/08	Design Patterns (1)		
9	109/11/09~ 109/11/15	Design Patterns (2)		
10	109/11/16~ 109/11/22	Midterm Exam Week		
11	109/11/23~ 109/11/29	Design Patterns (3)		
12	109/11/30~ 109/12/06	Implementation Techniques (1)		
13	109/12/07 ~ 109/12/13	Implementation Techniques (2)		
14	109/12/14 ~ 109/12/20	Implementation Techniques (3)		
15	109/12/21 ~ 109/12/27	Case Study (1)		
16	109/12/28 ~ 110/01/03	Case Study (2)		
17	110/01/04 ~ 110/01/10	Case Study (3)		
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: (1) There is no make-up quiz and assignment if you miss the deadline without a reason. (2) If the periods are the campus-wide roll-calling periods, you will be excluded from the course when the "absence hours" reaches 18. (Article 38.2 of TKU Study Regulations) (2.1) Please note that the "exclusion from the course" is not part of the evaluation of your learning outcome. We consider the "participation" or the "contribution" in the evaluation. However, the administrative team enforces that the campus rule overrides the evaluation method. The staff will submit the exclusion list on behave of the teacher when you violate the regulation.		
Teaching Facility		Computer, Projector		
Textbooks and Teaching Materials		R. S. Pressman, Software Engineering: A Practitioner's Approach, 7th Ed., International Edition 2010, McGraw-Hill. I. Sommerville, Software Engineering, 9th Ed., International Edition, 2011, Pearson.		
References		D. A. Gustafson, Schaum's Outline of Theory and Problems of Software Engineering, McGraw-Hill, 2002. E. Gamma et al., Design Patterns: Elements of Reusable Object-Oriented Software, Addison Wesley Longman, Inc., 1994.		
Number of Assignment(s) 10		10 (Filled in by assignment instructor only)		
Grading Policy		 Attendance: % ◆ Mark of Usual:60.0 % ◆ Midterm Exam: 15.0 % ♦ Final Exam: 15.0 % ♦ Other ⟨service learning⟩:10.0 % 		

Note	This syllabus may be uploaded at the website of Course Syllabus Management System at <u>http://info.ais.tku.edu.tw/csp</u> or through the link of Course Syllabus Upload posted on the home page of TKU Office of Academic Affairs at <u>http://www.acad.tku.edu.tw/CS/main.php</u> .
	※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.

TQICB4E0521 0A

Page:4/4 2020/6/27 9:12:09