Tamkang University Academic Year 110, 2nd Semester Course Syllabus

Course Title	AGILE METHODOLOGY FOR MOBILE APPLICATION DEVELOPMENT	Instructor	PEI-YU CHENG
Course Class	TLMXB4P DEPARTMENT OF INFORMATION MANAGEMENT, 4P	Details	◆ General Course ◆ Selective ◆ One Semester
Relevance to SDGs	SDG4 Quality education		

Departmental Aim of Education

Ⅰ. Refining information management skills.

Ⅱ. Enhancing information technology capabilities.

Ⅲ. Thinking independently with logic analysis.

Ⅳ. Reinforcing team-working spirit.

Ⅴ. Valuing business and information ethics.

Ⅵ. Cultivating global view.

Subject Departmental core competences

D. Computer programming.(ratio:60.00)

F. Database design and management.(ratio:20.00)

H. Project management.(ratio:20.00)

Subject Schoolwide essential virtues

2. Information literacy. (ratio:40.00)

5. Independent thinking. (ratio:30.00)

7. A spirit of teamwork and dedication. (ratio:20.00)

8. A sense of aesthetic appreciation. (ratio:10.00)

	Course Introduction	This course mainly teaches the techniques and implementation methods of cross-platform app development. The course will introduce basic concepts, operations, and implementation development of cross-platform frameworks. The course will start with the most straightforward examples and basic concepts and will help students become familiar with the development of APPs through the explanation of the implementation steps.

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	Learn about cross-platform mobile app development and how to use cross-platform frameworks.	Cognitive

The correspondences of teaching objectives : core competences, essential virtues, teaching methods, and assessment

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	DFH	2578	Lecture, Discussion, Practicum, Experience	Study Assignments, Discussion(including classroom and online), Practicum, Report(including oral and written)

Course Schedule			
Week	Date	Course Contents	Note
1	111/02/21 ~ 111/02/25	Course Introduction	
2	111/02/28 ~ 111/03/04	Cross Platform App Development Frameworks	
3	111/03/07 ~ 111/03/11	Setup the Development Environment	
4	111/03/14 ~ 111/03/18	Native Apps vs. Cross Platform Apps	

5	111/03/21~ 111/03/25	Layouts(1)	
6	111/03/28~ 111/04/01	Layouts(2)	
7	111/04/04~ 111/04/08	User interface (UI) Controls(1)	
8	111/04/11~ 111/04/15	User interface (UI) Controls(2)	
9	111/04/18~ 111/04/22	User interface (UI) Controls(3)	
10	111/04/25~ 111/04/29	Midterm Exam Week	
11	111/05/02~ 111/05/06	Essential Types of Mobile App Pages/Screens(1)	
12	111/05/09~ 111/05/13	Essential Types of Mobile App Pages/Screens(2)	
13	111/05/16~ 111/05/20	Data Access	
14	111/05/23~ 111/05/27	Course Project	
15	111/05/30~ 111/06/03	Graduate Exam Week	
16	111/06/06~ 111/06/10	---	
17	111/06/13~ 111/06/17	---	
18	111/06/20~ 111/06/24	---	

Requirement	
Teaching Facility	Computer, Projector
Textbooks and Teaching Materials	To be determined
References	
Number of Assignment(s)	(Filled in by assignment instructor only)
Grading Policy	◆ Attendance： 20.0 % ◆ Mark of Usual：30.0 % ◆ Midterm Exam： 25.0 % ◆ Final Exam： 25.0 % ◆ Other〈 〉： %

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 .
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