Tamkang University Academic Year 114, 1st Semester Course Syllabus

Course Title	SPECIAL TOPICS LAB.	Instructor	HUANG-WEN HUANG
Course Class	TEIDB4B DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION ENGINEERING (ENGLISH-TAUGHT PROGRAM), 4B	Details	◆ General Course ◆ Required ◆ One Semester ◆ 3 Credits
Relevance to SDGs	SDG4 Quality education		

Departmental Aim of Education

Ⅰ. Comprehend professional knowledge.

Ⅱ. Acquire mastery of Practical Skills.

Ⅲ. Establish creative achievement.

Subject Departmental core competences

A. Programming and application ability.(ratio:20.00)

B. Mathematical reasoning ability.(ratio:10.00)

C. Implementing computer systems ability.(ratio:20.00)

D. Computer networking application skills.(ratio:20.00)

E. Professional skills for information technology (IT) industry.(ratio:30.00)

Subject Schoolwide essential virtues

1. A global perspective. (ratio:10.00)

2. Information literacy. (ratio:20.00)

3. A vision for the future. (ratio:10.00)

4. Moral integrity. (ratio:10.00)

5. Independent thinking. (ratio:20.00)

6. A cheerful attitude and healthy lifestyle. (ratio:5.00)

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

8. A sense of aesthetic appreciation. (ratio:5.00)

Course Introduction	The purpose of this course is to provide students with both theoretical knowledge and practical expertise on information and communication management technology and software development, we emphasize the importance of teamwork culture, therefore students have to compose a team with 3-5 members to study and implement a specified project under the instruction of a teacher, and a final report and presentation will be checked as their academic results.

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	Be able to project planning, development, and implementation abilities. To learn how to collect project information and paper study and to train students with the abilities of the integration of both theoretical knowledge and practical expertise on communication technology and software engineering. Communication and leadership training of teamwork culture and the abilities to problem solving.	Psychomotor

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

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	ABCDE	12345678	Lecture, Discussion, Publication, Practicum, Experience	Study Assignments, Discussion(including classroom and online), Practicum, Report(including oral and written)

Course Schedule

Week	Date	Course Contents	Note
1	114/09/15 ~ 114/09/21	Introduction to the 「Practice of Projects in Computer Science and Information engineering.」	

2	114/09/22 ~ 114/09/28	(1)Project Group Meeting.(2)Hand in team division form (signed by director) *繳交團隊名單及指導教授同意書	
3	114/09/29 ~ 114/10/05	Project Group Meeting	
4	114/10/06 ~ 114/10/12	Project Group Meeting	
5	114/10/13 ~ 114/10/19	Project Group Meeting	
6	114/10/20 ~ 114/10/26	Project Group Meeting	
7	114/10/27 ~ 114/11/02	Project Group Meeting	
8	114/11/03 ~ 114/11/09	Project Group Meeting	
9	114/11/10 ~ 114/11/16	Midterm Exam/Midterm Assessment Week (teachers can adjust the week as needed)	
10	114/11/17 ~ 114/11/23	Project Group Meeting	
11	114/11/24 ~ 114/11/30	Project Group Meeting	
12	114/12/01 ~ 114/12/07	Project Group Meeting	
13	114/12/08 ~ 114/12/14	Project Group Meeting	
14	114/12/15 ~ 114/12/21	Project Group Meeting	
15	114/12/22 ~ 114/12/28	Project Group Meeting	
16	114/12/29 ~ 115/01/04	Final Week of Diverse Assessments	
17	115/01/05 ~ 115/01/11	Final Week of Diverse Assessments/Flexible Teaching Week for Teachers	
18	115/01/12 ~ 115/01/18	Flexible Teaching Week for Teachers	

Key capabilities	Information Technology Problem solving
Interdisciplinary	STEAM course (S:Science, T:Technology, E:Engineering, M:Math, A field:Integration of Art and Humanist)
Distinctive teaching	

Course Content	Computer programming or Computer language (students have hands-on experience in related projects) Logical Thinking
Requirement	Final Report must be written in English.(*期末書面報告以英文書寫)。
Textbooks and Teaching Materials	Self-made teaching materials:Handouts Using teaching materials from other writers:Handouts
References	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 .
Grading Policy	◆ Attendance： % ◆ Mark of Usual： % ◆ Midterm Exam： 5.0 % ◆ Final Exam： 5.0 % ◆ Other〈Report〉：90.0 %
Note	This syllabus may be uploaded at the website of Course Syllabus Management System at https://web2.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. ※"Adhere to the concept of intellectual property rights" and "Do not illegally photocopy, download, or distribute." Using original textbooks is advised. It is a crime to improperly photocopy others' publications.