Tamkang University Academic Year 111, 2nd Semester Course Syllabus

Course Title	THE INTER OF THINGS AND CLOUD COMPUTING	Instructor	PEI-YU CHENG
Course Class	TLMXM1A MASTER'S PROGRAM, DEPARTMENT OF INFORMATION MANAGEMENT, 1A	Details	◆ General Course ◆ Selective ◆ One Semester
Relevance to SDGs	SDG4 Quality education SDG9 Industry, Innovation, and Infrastructure		

Departmental Aim of Education

Devoting to the integration and research of information technology and business management knowledge, and cultivating, for the society, middle and higher level managers with both information capabilities and modern management skills.

Subject Departmental core competences

A. Use of modern management knowledge.(ratio:5.00)

B. Logical thinking.(ratio:20.00)

C. Critical analysis.(ratio:5.00)

D. Integration of information technology and business management.(ratio:20.00)

E. Research and innovation.(ratio:15.00)

F. Theory and applications of data analysis.(ratio:20.00)

G. Information and communication security management.(ratio:5.00)

H. Verbal and Writing Communication skills.(ratio:10.00)

Subject Schoolwide essential virtues

1. A global perspective. (ratio:5.00)

2. Information literacy. (ratio:30.00)

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

4. Moral integrity. (ratio:5.00)

5. Independent thinking. (ratio:25.00)

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

7. A spirit of teamwork and dedication. (ratio:15.00)

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

Course Introduction	TBD	

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	TBD	Cognitive

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

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	ABCDEFGH	12345678	Lecture, Discussion, Practicum, Experience, Imitation	Testing, Discussion(including classroom and online), Report(including oral and written), Activity Participation, Lab

Course Schedule

Week	Date	Course Contents	Note
1	112/02/13 ~ 112/02/19	Course Introduction	
2	112/02/20 ~ 112/02/26	What Is the Internet of Things (IoT)?	
3	112/02/27 ~ 112/03/05	IoT Devices	
4	112/03/06 ~ 112/03/12	Networking and the Internet	

5	112/03/13 ~ 112/03/19	IoT Programming with Raspberry Pi	
6	112/03/20 ~ 112/03/26	IoT Programming with Raspberry Pi	
7	112/03/27 ~ 112/04/02	IoT Programming with Raspberry Pi	
8	112/04/03 ~ 112/04/09	Sensor Technologies	
9	112/04/10 ~ 112/04/16	IoT Connectivity & Hardware	
10	112/04/17 ~ 112/04/23	IoT Connectivity & Hardware	
11	112/04/24 ~ 112/04/30	IoT Connectivity & Hardware	
12	112/05/01 ~ 112/05/07	Cloud computing	
13	112/05/08 ~ 112/05/14	2023 淡江大學資訊週活動	
14	112/05/15 ~ 112/05/21	Cloud computing	
15	112/05/22 ~ 112/05/28	IoT Hub	
16	112/05/29 ~ 112/06/04	Course Project	
17	112/06/05 ~ 112/06/11	Course Project	
18	112/06/12 ~ 112/06/18	Final Product Presentation	

Requirement	
Teaching Facility	Computer
Textbooks and Teaching Materials	
References	
Number of Assignment(s)	(Filled in by assignment instructor only)
Grading Policy	◆ Attendance： 20.0 ％ ◆ Mark of Usual：40.0 ％ ◆ Midterm Exam： ％ ◆ Final Exam： ％ ◆ Other〈Course Project〉：40.0 ％

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 .
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