Tamkang University Academic Year 109, 2nd Semester Course Syllabus

Course Title	WIRELESS NETWORK	Instructor	LIN HUI
Course Class	TQIDB4A DIVISION OF APPLIED INFORMATICS, DEPARTMENT OF INNOVATIVE INFORMATION AND TECHNOLOGY (ENGLISH-TAUGHT PROGRAM), 4A	Details	◆ General Course ◆ Selective ◆ One Semester
Relevance to SDGs	SDG9 Industry, Innovation, and Infrastructure		

Departmental Aim of Education

Cultivate professional talents in developing and applying information system in various fields.

Subject Departmental core competences

C. Capability of applying knowledge of internet structure and protocol in communication system(ratio:100.00)

Subject Schoolwide essential virtues

2. Information literacy. (ratio:70.00)

3. A vision for the future. (ratio:20.00)

5. Independent thinking. (ratio:10.00)

Course Introduction	This course introduces wireless and mobile network architectures, Personal Communication Services (PCS) offers the enterprise freedom of communication through mobility.

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	This course introduces wireless and mobile network architectures, Personal Communication Services (PCS) offers the enterprise freedom of communication through mobility.	Cognitive

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

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	C	235	Lecture, Practicum	Testing, Discussion(including classroom and online)

Course Schedule

Week	Date	Course Contents	Note
1	110/02/22 ~ 110/02/28	Introduction	
2	110/03/01 ~ 110/03/07	Introduction	
3	110/03/08 ~ 110/03/14	Probability, Statistics and TrafficTheories	
4	110/03/15 ~ 110/03/21	Probability, Statistics and TrafficTheories	
5	110/03/22 ~ 110/03/28	Mobile Radio Propagation	
6	110/03/29 ~ 110/04/04	Mobile Radio Propagation	
7	110/04/05 ~ 110/04/11	Channel Coding and Error Control	
8	110/04/12 ~ 110/04/18	Channel Coding and Error Control	
9	110/04/19 ~ 110/04/25	Cellular Concept	
10	110/04/26 ~ 110/05/02	Midterm Exam Week	
11	110/05/03 ~ 110/05/09	Field Trip	

12	110/05/10 ~ 110/05/16	Multiple Radio Access	
13	110/05/17 ~ 110/05/23	Multiple Radio Access	
14	110/05/24 ~ 110/05/30	Multiple Division Techniques	
15	110/05/31 ~ 110/06/06	Graduate Exam Week	
16	110/06/07 ~ 110/06/13	---	
17	110/06/14 ~ 110/06/20	---	
18	110/06/21 ~ 110/06/27	---	

Requirement	
Teaching Facility	Computer, Projector
Textbooks and Teaching Materials	
References	Wireless-related books
Number of Assignment(s)	**10** (Filled in by assignment instructor only)
Grading Policy	◆ Attendance： 10.0 % ◆ Mark of Usual：30.0 % ◆ Midterm Exam： % ◆ Final Exam： % ◆ Other〈Report〉：60.0 %
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 . **※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.**