Tamkang University Academic Year 109, 2nd Semester Course Syllabus

Course Title	WIRELESS LOCAL AREA NETWORKS	Instructor	MENG-LUEN WU			
Course Class	TEIBM1A MASTER'S PROGRAM, DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION ENGINEERING (ENGLISH-TAUGHT PROGRAM),	Details	◆ General Course ◆ Selective ◆ One Semester			
Relevance to SDGs						
	Departmental Aim of Educ	ation				
I . Cultiva	te the ability to conduct independent research and problem so	ving.				
II. Streng	then creativity and research capacity.					
Ⅲ. Build p	rofound professional knowledge in computer science and infor	mation engine	eering.			
IV. Engage	e in self-directed lifelong learning.					
	Subject Departmental core competenc	es				
D. Researcl	n & development (R&D) ability in information engineering.(ratio	o:100.00)				
	Subject Schoolwide essential virtues					
2. Informa	tion literacy. (ratio:100.00)					
Course Introduction	Wireless local area network (WLAN) is the implementation of protocols. The purpose of the protocol is to realize wireless of solve the related issues. In this course, we focus on the issues theories in this course, we will conduct a wireless LAN related end of the semester.	communications. To realize the	e			

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.			objective methods						
	Understand t		Cognitive						
	The correspondences of teaching objectives : core competences, essential virtues, teaching methods, and assessment								
No.	Core Competences		Essential Virtues	Teaching Methods	Assessment				
1	D		2	Lecture, Discussion, Experience	Testing, Discussion(including classroom and online), Report(including oral and written)				
				Course Schedule					
Week	Date	Course Contents		Note					
1	110/02/22 ~ 110/02/28	Introduction to WLAN							
2	110/03/01 ~ 110/03/07	Overview of WLAN Topologies							
3	110/03/08 ~ 110/03/14	802.11 Medium Access Mechanisms							
4	110/03/15 ~ 110/03/21	802.11 MAC Frame Formats							
5	110/03/22 ~ 110/03/28	802.11	802.11 Management Frame Fields and Elements (1)						
6	110/03/29 ~ 110/04/04	802.11	802.11 Management Frame Fields and Elements (2)						
7	110/04/05 ~ 110/04/11	802.11	802.11 Physical Layer Technologies						
8	110/04/12 ~ 110/04/18	802.11 Wireless LANs (1)							
9	110/04/19 ~ 110/04/25	802.11 Wireless LANs (2)							
10	110/04/26 ~ 110/05/02	Midterm							
11	110/05/03 ~ 110/05/09	802.11 Wireless LAN Security							

12	110/05/10 ~ 110/05/16	Roaming in 802.11				
13	110/05/17 ~ 110/05/23	QoS for 802.11 Wireless LANs—802.11e				
14	110/05/24 ~ 110/05/30	Radio Frequency Essentials				
15	110/05/31 ~ 110/06/06	Deploying Wireless LANs				
16	110/06/07 ~ 110/06/13	WLAN Design Considerations				
17	110/06/14 ~ 110/06/20	WLAN Experiment				
18	110/06/21 ~ 110/06/27	Final Exam				
Re	equirement					
Teaching Facility		Computer, Projector				
Textbooks and Teaching Materials						
F	References					
Number of Assignment(s)		2 (Filled in by assignment instructor only)				
Grading Policy		 Attendance: 10.0 %				
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.				

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