Tamkang University Academic Year 102, 2nd Semester Course Syllabus

Course Title	WIRELESS NETWORK	Instructor	WU, SHIH-JUNG	
Course Class	TPIBB4A DIVISION OF COMMUNICATION TECHNOLOGY, DEPARTMENT OF INNOVATIVE INFORMATION AND TECHNOLOGY, 4A	Details	SelectiveOne Semester3 Credits	
	Departmental Aim of Educ	ation		
Cultivate pro	ofessional talents in software engineering and communication to	echnology.		
	Depart mental core competences			
A. Capabili	ty of computer program coding, process planning, and problem	solving.		
B. Capabili	ty of applying basic mathematics and information technology re	elated mathem	natics.	
C. Capabili system.				
D. Capabili	ty of data collecting and analyzing, and organizing software and	l hardware.		
E. Capabili	ty of understanding and integrating system structure for proble	m solving.		
F. Capabili	ty of system analyzing, modeling, and designing.			
G. Capability of management utilizing information technology system.				
Course Introduction	This course introduces wireless and mobile network architect Communication Services (PCS) offers the enterprise freedom through mobility.			

The Relevance among Teaching Objectives, Objective Levels and Departmental core competences

P6-Origination

I.Objective Levels (select applicable ones):

(i) Cognitive Domain : C1-Remembering, C2-Understanding, C3-Applying, C4-Analyzing, C5-Evaluating, C6-Creating

(ii) Psychomotor Domain: P1-Imitation, P2-Mechanism, P3-Independent Operation,

P4-Linked Operation, P5-Automation,

(iii) Affective Domain : Al-Receiving, A2-Responding, A3-Valuing, A4-Organizing, A5-Charaterizing, A6-Implementing

II. The Relevance among Teaching Objectives, Objective Levels and Departmental core competences:

- (i) Determine the objective level(s) in any one of the three learning domains (cognitive, psychomotor, and affective) corresponding to the teaching objective. Each objective should correspond to the objective level(s) of ONLY ONE of the three domains.
- (ii) If more than one objective levels are applicable for each learning domain, select the highest one only. (For example, if the objective levels for Cognitive Domain include C3,C5,and C6, select C6 only and fill it in the boxes below. The same rule applies to Psychomotor Domain and Affective Domain.)
- (iii) Determine the Departmental core competences that correspond to each teaching objective. Each objective may correspond to one or more Departmental core competences at a time. (For example, if one objective corresponds to three Departmental core competences: A,AD, and BEF, list all of the three in the box.)

			Relevance	
No.	Teaching Objectives	Objective Levels	Departmental core competences	
1	This course introduces wireless and mobile network architectures,	C3	BCG	
	Personal Communication Services (PCS) offers the enterprise			
	freedom of communication through mobility.			

Teaching Objectives, Teaching Methods and Assessment

	reacting Objectives, reacting Methods and Assessment		
No.	Teaching Objectives	Teaching Methods	Assessment
1	This course introduces wireless and mobile network architectures, Personal Communication Services (PCS) offers the enterprise freedom of communication through mobility.	Lecture, Appreciation	Written test, Participation

Essential Qualities of TKU Students		Qualities of TKU Students	Descripti	ion
		pective	Helping students develop a broader perspective from which to understand international affairs and global development.	
◆ Information literacy		teracy	Becoming adept at using information technology and learning the proper way to process information.	
◆ A vision for the future		e future	Understanding self-growth, social change, and technological development so as to gain the skills necessary to bring about one's future vision.	
		у	Learning how to interact with others, practicing empathy and caring for others, and constructing moral principles with which to solve ethical problems.	
		thinking	Encouraging students to keenly observe and seek out the source of their problems, and to think logically and critically.	
A cheerful attitude and healthy lifestyle		itude and healthy lifestyle	Raising an awareness of the fine balance between one's body and soul and the environment; helping students live a meaningful life.	
		mwork and dedication	Improving one's ability to communicate and cooperate so as to integrate resources, collaborate with others, and solve problems.	
♦ A sense of aesthetic appreciation		sthetic appreciation	Equipping students with the ability to sense and appreciate aesthetic beauty, to express themselves clearly, and to enjoy the creative process.	
			Course Schedule	
Week	Date		Subject/Topics	Note
1	103/02/17 ~ 103/02/23	Introduction		
2	103/02/24 ~ 103/03/02	Cellular System Evolution		
3	103/03/03 ~ 103/03/09	2G-GSM		
4	103/03/10 ~ 103/03/16	GPRS		
5	103/03/17 ~ 103/03/23	3G-UMTS		
6	103/03/24 ~ 103/03/30	HSPA		
7	103/03/31 ~ 103/04/06	LTE		
8	103/04/07 ~ 103/04/13	WiMAX		
9	103/04/14 ~ 103/04/20	WiMAX-QoS		
10	103/04/21 ~ 103/04/27	Midterm Exam Week		
11	103/04/28 ~ 103/05/04	MIP		
	103/05/05 ~	SIP		

13	103/05/12 ~ 103/05/18	VoIP	
14	103/05/19 ~ 103/05/25	HIP	
15 103/05/26~ 103/06/01 Grad		Graduate Exam Week	
16	103/06/02 ~ 103/06/08		
17	103/06/09 ~ 103/06/15		
18	103/06/16 ~ 103/06/22		
Re	quirement		
Teaching Facility Computer, Projector		Computer, Projector	
Тє	extbook(s)	Teach solution is designed by professor.	
Reference(s)		Wireless-related books	
Number of Assignment(s)		(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 . WINDED TO TABLE TO TA	

TPIBB4E2204 0A Page:4/4 2014/1/15 18:09:43