Tamkang University Academic Year 108, 1st Semester Course Syllabus

Course Title	COMPUTER AND NETWORK SECURITY	Instructor	FU-YI HUNG
Course Class	TQIDB3A DIVISION OF APPLIED INFORMATICS, DEPARTMENT OF INNOVATIVE INFORMATION	Details	General CourseSelectiveOne Semester
	AND TECHNOLOGY (ENGLISH-TAUGHT		
	PROGRAM), 3ADepartmental Aim of Educ	ation	
Cultivate pro	ofessional talents in developing and applying information syster	m in various fi	elds.
	Subject Departmental core competence	es	
E. Capabili	ty of integrating information system(ratio:100.00)		
	Subject Schoolwide essential virtues		
2. Informa	tion literacy. (ratio:70.00)		
3. A vision	for the future. (ratio:10.00)		
5. Indeper	ndent thinking. (ratio:20.00)		
Course Introduction	This course provides the basic principles and standards of co security. It includes the following topics: computer security to principles, management issues, cryptographic algorithms and	echnology and	I

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.

	manipulation.						
No.		objective methods					
	Students sho security techi		Cognitive				
	Students sho algorithms	Cognitive					
	Students sho management	Cognitive					
	The c	correspond	ences of teaching objectives	: core competences, essential virtues, teaching me	thods, and assessment		
No.	Core Competences		Essential Virtues	Teaching Methods	Assessment		
1	1 E		235	Lecture	Testing		
2	2 E		235	Lecture	Testing		
3	3 E		235	Lecture	Testing		
	Course Schedule						
Week	Date	Course Contents			Note		
1	108/09/09 ~ 108/09/15	Introduction					
2	108/09/16 ~ 108/09/22	Introduction					
3	108/09/23 ~ 108/09/29	Malware					
4	108/09/30 ~ 108/10/06	Malware					
5	108/10/07 ~ 108/10/13	Symmetric-Key Encipherment					
6	108/10/14 ~ 108/10/20	Symmetric-Key Encipherment					
7	108/10/21 ~ 108/10/27	Symmetric-Key Encipherment					
8	108/10/28 ~ Asymmetric-Key Encipherment						

9					
,	108/11/04 ~ 108/11/10	Asymmetric-Key Encipherment			
10	108/11/11 ~ 108/11/17	Midterm Exam Week			
11	108/11/18 ~ 108/11/24	Message Integrity and Message Authentication			
12	108/11/25 ~ 108/12/01	Message Integrity and Message Authentication			
13	108/12/02 ~ 108/12/08	User Authentication and Access Control			
14 108/12/09 ~ 108/12/15		User Authentication and Access Control			
15	108/12/16 ~ 108/12/22	Firewalls, Intrusion Detection and Prevention Systems			
16	108/12/23 ~ 108/12/29	Firewalls, Intrusion Detection and Prevention Systems			
17	108/12/30 ~ 109/01/05	Final Presentation			
18	109/01/06 ~ 109/01/12	Final Exam Week (Date:109/1/3-109/1/9)			
Re	quirement	Cheating or plagiarism will receive a semester grade of zero for this course. 作弊或抄襲者學期總成績為零分。 If a student's class absence reaches one-third of the total class hours (in a semester) for a particular course, the course instructor will notify the Office of Academic Affairs, and the student will not be allowed to take part in the remaining course examinations and will receive a semester grade (for that course) of zero. 學生對某一科目之缺課總時數達該科全學期授課時數三分之一、經該科教師通知教務處時即不准參加該科目之考試、該科目學期成績以零分計算。			
Tea	ching Facility	Computer, Projector			
	oks and ng Materials				
References		Cryptography and Network Security, 1st ed, Behrouz Forouzan, McGraw-Hill Education, 2007 Computer Security: Principles and Practice, 4th ed, William Stallings and Lawrie Brown, Pearson, 2017 Introduction to Computer Security, 1st ed, Michael Goodrich and Roberto Tamassia, Pearson 2010			
Number of Assignment(s)		(Filled in by assignment instructor only)			
Grading Policy		 ◆ Attendance: % ◆ Mark of Usual: 32.0 % ◆ Midterm Exam: 28.0 % ◆ Final Exam: 28.0 % ◆ Other 〈Assignments〉: 12.0 % 			

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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