

Tamkang University Academic Year 112, 1st Semester Course Syllabus

Course Title	FUNDAMENTAL INFORMATION SECURITY PRACTICE	Instructor	PEI-YU CHENG
Course Class	TLMXB3P DEPARTMENT OF INFORMATION MANAGEMENT, 3P	Details	<ul style="list-style-type: none"> ◆ Blended Course ◆ Selective ◆ One Semester ◆ 2 Credits
Relevance to SDGs	SDG4 Quality education		
Departmental Aim of Education			
<ul style="list-style-type: none"> I. Refining information management skills. II. Enhancing information technology capabilities. III. Thinking independently with logic analysis. IV. Reinforcing team-working spirit. V. Valuing business and information ethics. VI. Cultivating global view. 			
Subject Departmental core competences			
<ul style="list-style-type: none"> A. Problem analysis and critical thinking.(ratio:5.00) B. Functional business Areas and business practices.(ratio:20.00) C. Applications of information systems.(ratio:20.00) D. Computer programming.(ratio:5.00) E. Network system planning.(ratio:20.00) F. Database design and management.(ratio:5.00) G. Analysis, design and integration of information system.(ratio:20.00) H. Project management.(ratio:5.00) 			
Subject Schoolwide essential virtues			
<ul style="list-style-type: none"> 1. A global perspective. (ratio:15.00) 2. Information literacy. (ratio:30.00) 3. A vision for the future. (ratio:5.00) 4. Moral integrity. (ratio:5.00) 			

- 5. Independent thinking. (ratio:15.00)
- 6. A cheerful attitude and healthy lifestyle. (ratio:5.00)
- 7. A spirit of teamwork and dedication. (ratio:20.00)
- 8. A sense of aesthetic appreciation. (ratio:5.00)

Course Introduction

Amidst the global growth of digital technology, the demand for information security is surging, making the cultivation of skilled professionals crucial. To meet this trend, the Department of Information Management has partnered with FETnet and ISSDU to offer relevant courses covering key topics like information security standards, network security, system security, emerging technologies, and auditing. The program includes regular guest lectures by industry experts and provides a cloud-based information security lab for hands-on experience, deepening students' practical understanding.

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	Information Security	Psychomotor

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, Publication, Practicum, Experience	Testing, Study Assignments, Discussion(including classroom and online), Report(including oral and written)

Course Schedule

Note for Blended Course : When utilizing weekly digital instruction, please fill in "Online Asynchronous Instruction".

Week	Date	Course Contents	Note
1	112/09/11 ~ 112/09/17	Course Introduction	

2	112/09/18 ~ 112/09/24	Information Security (1)	
3	112/09/25 ~ 112/10/01	Information Security (2)	
4	112/10/02 ~ 112/10/08	ISMS (Information Security Management System) (1)	
5	112/10/09 ~ 112/10/15	ISMS (Information Security Management System) (2)	Online Asynchronous Instruction
6	112/10/16 ~ 112/10/22	Network Security (1)	
7	112/10/23 ~ 112/10/29	Network Security (2)	Online Asynchronous Instruction
8	112/10/30 ~ 112/11/05	Enterprise Information Security	
9	112/11/06 ~ 112/11/12	Midterm Exam Week	
10	112/11/13 ~ 112/11/19	Network Security Lab (1)	Online Asynchronous Instruction
11	112/11/20 ~ 112/11/26	Network Security Lab (2)	Online Asynchronous Instruction
12	112/11/27 ~ 112/12/03	Network Security Lab (3)	
13	112/12/04 ~ 112/12/10	Enterprise Information Security Case Study (1)	
14	112/12/11 ~ 112/12/17	Enterprise Information Security Case Study (2)	
15	112/12/18 ~ 112/12/24	Enterprise Information Security Case Study (3)	
16	112/12/25 ~ 112/12/31	Enterprise Visiting	
17	113/01/01 ~ 113/01/07	Final Exam Week	
18	113/01/08 ~ 113/01/14	Flex week, learning activities should be arranged.	
Key capabilities	self-directed learning Information Technology Problem solving Interdisciplinary		
Interdisciplinary			
Distinctive teaching	Industry-university collaboration courses Project implementation course Special/Problem-Based(PBL) Courses		

Course Content	Computer programming or Computer language (students have hands-on experience in related projects)
Requirement	
Textbooks and Teaching Materials	Self-made teaching materials:Presentations Using teaching materials from other writers:Presentations
References	
Grading Policy	◆ Attendance : 20.0 % ◆ Mark of Usual : % ◆ Midterm Exam : 20.0 % ◆ Final Exam : 20.0 % ◆ Other 〈Lab〉 : 40.0 %
Note	<p>1. This syllabus may be uploaded at the website of the Course Syllabus Management System at https://info.ais.tku.edu.tw/csp or through the link of the Course Syllabus Upload posted on the home page of the TKU Office of Academic Affairs http://www.acad.tku.edu.tw/CS/main.php</p> <p>2. According to the Implementation regulations of distance education for junior college and above are prescribed pursuant to Article 2, "The distance learning course referred to in these Measures refers to more than one-half of the teaching hours in each subject."</p> <p>3. According to the regulations of Tamkang University Enforcement Rules for digital teaching, Paragraph 2 and Article 3, the distance learning course of our school must be "The course of digital teaching with distance learning platform or synchronous video system in our school. Teaching Hours include course lectures, teacher-student interaction discussions, quizzes and other learning activities."</p> <p>4. If there are any temporary course changes (including time changes and classroom changes of distance learning courses, blended courses), please make out an application according to regulations to the Office of Academic Affairs.</p> <p>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</p>