Tamkang University Academic Year 111, 2nd Semester Course Syllabus

Course Title			HSUAN-LING CHANG				
Course Class	TLWXB4A BACHELOR'S PROGRAM IN GLOBAL FINANCIAL MANAGEMENT (ENGLISH-TAUGHT PROGRAM), 4A	Details	 General Course Selective One Semester 				
Relevance to SDGs	Relevance SDG4 Quality education SDG8 Decent work and economic growth						
	Departmental Aim of Education						
I. Learnir	ng and instanding international financial theory.						
П. Learn t	o plan the future.						
III. Enhand	III. Enhance the ability of practical analysis.						
IV. Increas	se the team research ability.						
V. Master	the international financial pulsation.						
VI. Cultiva	te morality and global civilization.						
	Subject Departmental core competences						
A. The student to have a basic knowledge of international financial management theory and practice.(ratio:35.00)							
B. To have	B. To have a good grounding of relevant financial laws.(ratio:10.00)						
	C. To understand the basic moral principles within the international financial industry. (ratio:20.00)						
	D. To have a global perspective of the subject and a basic command of foreign language abilities.(ratio:15.00)						
	E. To obtain international professional qualifications that will aid their future career. (ratio:10.00)						
F. To obtai	n a basic ability to examine domestic and global financial situat	ions.(ratio:10.0	00)				
Subject Schoolwide essential virtues							
1. A global perspective. (ratio:10.00)							
2. Information literacy. (ratio:20.00)							
3. A vision	3. A vision for the future. (ratio:10.00)						

4. Moral integrity. (ratio:5.00)

5. Independent thinking. (ratio:30.00)

6. A cheerful attitude and healthy lifestyle. (ratio:10.00)

7. A spirit of teamwork and dedication. (ratio:5.00)

8. A sense of aesthetic appreciation. (ratio:10.00)

Ir	Course	derivat VBA or Finance the cou focus c	ive contracts by develop Python). I assume that s e, especially that about c urses of Futures and Opt on extensive knowledge,	to learn how to solve many pricing prob bing analytic formulae or computer prog students are equipped with the basic kno derivatives. Therefore, students should al ions or other similar courses before. This such as the stochastic process, the optic aniques, the option hedging strategies, e	rams (Excel wledge in ready learn course will on pricing		
do I. II./	fferentiate the v mains of the co Cognitive : Em the c Affective : Empl mora Psychomotor:	various o ourse's ir phasis u course's hasis up als, attitu	and objective methods amor nstructional objectives. pon the study of various veracity, conception, pro on the study of various k ude, conviction, values, e is upon the study of the	ourse's instructional objectives and the d psychomotor objectives. Ing the cognitive, affective and psychomo s kinds of knowledge in the cognition of ocedures, outcomes, etc. kinds of knowledge in the course's appea etc. course's physical activity and technical	tor		
No.			Teaching Ob	jectives	objective methods		
1	 1. The extended 2. Programmi 3. Understance 4. Know how to 	For students who complete the course will have, L.The extended knowledge of financial engineering 2. Programming ability 3. Understand various option pricing model 4. Know how to use various numerical techniques to access the derivative value					
	The correspondences of teaching objectives : core competences, essential virtues, teaching methods, and assessment						
No.	Core Compete	ences	Essential Virtues	Teaching Methods	Assessment		
1	ABCDEF		12345678	Lecture, Discussion, Publication	Study Assignments, Discussion(including classroom and online), Report(including oral and written)		

	-	Course Schedule			
Week	Date	Course Contents	Note		
1	112/02/13~ 112/02/19	Introduce the course and the definition of derivatives			
2	112/02/20~ 112/02/26	Mechanics of futures markets			
3	112/02/27 ~ 112/03/05	Mechanics of futures markets			
4	112/03/06~ 112/03/12	Mechanics of option markets			
5	112/03/13~ 112/03/19	Property of stock option			
6	112/03/20~ 112/03/26	Trading strategy involving options			
7	112/03/27 ~ 112/04/02	Binomial tree and excel vba			
8	112/04/03~ 112/04/09	Wiener process			
9	112/04/10~ 112/04/16	Excel VBA and stock price simulation			
10	112/04/17~ 112/04/23	Midterm Exam Week			
11	112/04/24 ~ 112/04/30	The Black-Scholes-Merton model			
12	112/05/01~ 112/05/07	The Black-Scholes-Merton model			
13	112/05/08 ~ 112/05/14	Final report and presentation			
14	112/05/15~ 112/05/21	Final report and presentation			
15	112/05/22~ 112/05/28	Graduate Exam Week			
16	112/05/29~ 112/06/04				
17	112/06/05~ 112/06/11				
18	112/06/12 ~ 112/06/18				
Red	quirement	I assume that students are equipped with the basic knowledge in Finance, espec about derivatives.	cially that		
Теа	Teaching Facility Computer, Projector				
Textbooks and Teaching Materials		Options, Futures, and Other Derivatives, by John C. Hull, 9th ed., 2014			

	Professional Financial Computing Using Excel and VBA Donny C. F. Lai, Humphrey K. K.				
References	Tung, Michael C. S. Wong, Stephen Ng				
	應用大數據實戰(期貨與選擇權) · 作者-李沃牆.黃淑菁 · 出版社-新陸書局 · 出版日				
	期:2018/02/06 · ISBN:9789869565240				
Number of Assignment(s)	3 (Filled in by assignment instructor only)				
Grading Policy	 Attendance: 20.0 % ◆ Mark of Usual: 50.0 % ◆ Midterm Exam: % Final Exam: % Other 〈Final report/oral〉: 30.0 % 				
Note	This syllabus may be uploaded at the website of Course Syllabus Management System at <u>http://info.ais.tku.edu.tw/csp</u> or through the link of Course Syllabus Upload posted on the Note home page of TKU Office of Academic Affairs at http://www.acad.tku.edu.tw/CS/main.php . Work With the second				
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