## Tamkang University Academic Year 112, 1st Semester Course Syllabus

Course Title	FINANCIAL DERIVATIVES	Instructor	(多位教師合開) LIN, CHIEN-CHIN			
TLBBM1A Course Class MASTER'S PROGRAM, DEPARTMENT OF BANKING AND FINANCE (ENGLISH-TAUGHT PROGRAM), 1A		Details	<ul> <li>General Course</li> <li>Selective</li> <li>One Semester</li> </ul>			
Relevance to SDGs	SDG4 Quality education Relevance					
	Departmental Aim of Educ	ation				
	dvanced financial courses to cultivate the international profession independent analysis, judgement, and problem solve abilities.	onal financial				
	Subject Departmental core competence	es				
A. Cultivate	A. Cultivate advanced knowledge of financial theory.(ratio:20.00)					
B. Increase	B. Increase the skill of applied theory and practice.(ratio:30.00)					
C. Increase the ability of logical deduction.(ratio:10.00)						
D. Learning	D. Learning and use of financial research method.(ratio:20.00)					
E. Increase the ability to pass the exam of advanced financial professional certificate. (ratio:10.00)						
Subject Schoolwide essential virtues						
1. A global perspective. (ratio:10.00)						
2. Information literacy. (ratio:10.00)						
3. A vision for the future. (ratio:10.00)						
4. Moral integrity. (ratio:10.00)						
5. Independent thinking. (ratio:30.00)						
6. A cheerful attitude and healthy lifestyle. (ratio:10.00)						
7. A spirit	7. A spirit of teamwork and dedication. (ratio:10.00)					
8. A sense of aesthetic appreciation. (ratio:10.00)						

In	The main purpose of this course is to study the advanced concept of the derivatives markets and the financial instruments used in this market. These instruments include the forwards, Futures , swaps and options. How to use these tools for arbitrage, speculative, and hedge is also an important object of this course. This course provides a solid basis for student to study financial engineering and new financial products					
	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.					
II.A	<ul> <li>I. Cognitive : Emphasis upon the study of various kinds of knowledge in the cognition of the course's veracity, conception, procedures, outcomes, etc.</li> <li>II.Affective : Emphasis upon the study of various kinds of knowledge in the course's appeal, morals, attitude, conviction, values, etc.</li> <li>III.Psychomotor: Emphasis upon the study of the course's physical activity and technical manipulation.</li> </ul>					
No.	Teaching Objectives objective methods					
1	1To understand how derivatives markets work, how derivatives can be used, and what determines the prices of derivatives.Cognitive					
	The	correspond	lences of teaching objectives	: core competences, essential virtues, teaching me	thods, and assessment	
No.	Core Competences		Essential Virtues	Teaching Methods	Assessment	
1	ABCDEF		12345678	Lecture	Testing	
	Course Schedule					
Weel	Date		Cour	rse Contents	Note	
1	112/09/11~ 112/09/17	Mechanics of futures markets				
2	112/09/18~ 112/09/24	Hedging strategies using futures				
3	112/09/25 ~ 112/10/01	Determination of forward and futures prices				
4	112/10/02 ~ 112/10/08	Swaps				
5	112/10/09 ~ 112/10/15	Mechanics of options markets				
6	112/10/16~ 112/10/22	Properties of stock options				

7	112/10/23 ~ 112/10/29	Trading strategies involving options	
8	112/10/30~ 112/11/05	Binomial trees	
9	112/11/06~ 112/11/12	Mid-term exam	
10 112/11/13~ 112/11/19		The Black–Scholes–Merton model	
11	112/11/20~ 112/11/26	The Greek letters	
12	112/11/27 ~ 112/12/03	Delta hedging	
13	112/12/04 ~ 112/12/10	Relationship between delta, theta, and gamma	
14	112/12/11 ~ 112/12/17	The VaR measure	
15	112/12/18~ 112/12/24	Historical simulation	
16	112/12/25 ~ 112/12/31	Model-building approach	
17	113/01/01~ 113/01/07	Estimating volatilities	
18	113/01/08~ 113/01/14	Final exam	
Кеу	v capabilities		
Inte	erdisciplinary		
Distinctive teaching			
Course Content		Logical Thinking	
Requirement			
Textbooks and Teaching Materials		Using teaching materials from other writers:Textbooks	
		Name of teaching materials: OPTIONS, FUTURES, AND OTHER DERIVATIVES	

References					
Grading Policy	<ul> <li>♦ Attendance: % ♦ Mark of Usual: % ♦ Midterm Exam: 30.0 %</li> <li>♦ Final Exam: 40.0 %</li> <li>♦ Other ⟨Exercise⟩: 30.0 %</li> </ul>				
Note	<ul> <li>This syllabus may be uploaded at the website of Course Syllabus Management System at <a href="http://info.ais.tku.edu.tw/csp">http://info.ais.tku.edu.tw/csp</a> or through the link of Course Syllabus Upload posted on the home page of TKU Office of Academic Affairs at <a href="http://www.acad.tku.edu.tw/CS/main.php">http://www.acad.tku.edu.tw/CS/main.php</a>.</li> <li><b>Winauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</b></li> </ul>				
TLBBM1B1830 0A	Page:4/4 2024/4/16 2:49:31				