

Tamkang University Academic Year 108, 1st Semester Course Syllabus

Course Title	DERIVATIVES	Instructor	WANG, REN-HE
Course Class	TLUXM1A TKU-QUT DUAL MASTER DEGREE PROGRAM IN FINANCE (ENGLISH-TAUGHT PROGRAM), 1A	Details	◆ General Course ◆ Selective ◆ One Semester
D e p a r t m e n t a l A i m o f E d u c a t i o n			
I . To cultivate a professional understanding of the theory and skills of finance. II. To be able to solve practical problems by professional knowledge of finance. III. Possess the ability to communicate and express views regarding financial profession. IV. Emphasize corporation and coordination within a team. V . To expand international vision and civic awareness.			
Subject Departmental core competences			
A. Have a strong grasp of the advanced knowledge and skills in professional finance. (ratio:50.00) B. Possess the advanced application ability to financial practices.(ratio:50.00)			
Subject Schoolwide essential virtues			
1. A global perspective. (ratio:50.00) 5. Independent thinking. (ratio:50.00)			
Course Introduction	Derivatives markets have become increasingly important in the world of finance and investments. It is now essential for all finance professionals to understand how these markets work, how they can be used, and what determines prices in them. This course addresses these issues.		

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	Introduce the two main products trading on exchanges are futures and options. The market participants are now subject to rules specifying how trading must be done, how trades must be reported, and the collateral that must be provided.	Cognitive

The correspondences of teaching objectives : core competences, essential virtues, teaching methods, and assessment

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	AB	15	Lecture, Discussion	Testing

Course Schedule

Week	Date	Course Contents	Note
1	108/09/09 ~ 108/09/15	Introduction	
2	108/09/16 ~ 108/09/22	Mechanics of Futures Markets	
3	108/09/23 ~ 108/09/29	Hedging Strategies Using Futures	
4	108/09/30 ~ 108/10/06	Hedging Strategies Using Futures	
5	108/10/07 ~ 108/10/13	Interest Rates	
6	108/10/14 ~ 108/10/20	Determination of Forward and Future Prices	
7	108/10/21 ~ 108/10/27	Determination of Forward and Future Prices	
8	108/10/28 ~ 108/11/03	Interest Rate Futures	
9	108/11/04 ~ 108/11/10	Interest Rate Futures	
10	108/11/11 ~ 108/11/17	Midterm	
11	108/11/18 ~ 108/11/24	Mechanics of Options Markets	

12	108/11/25 ~ 108/12/01	Properties of Stock Options	
13	108/12/02 ~ 108/12/08	Trading Strategies Involving Options	
14	108/12/09 ~ 108/12/15	Introduction to Binomial Trees	
15	108/12/16 ~ 108/12/22	Introduction to Binomial Trees	
16	108/12/23 ~ 108/12/29	Valuing Stock Options:The Black-Scholes-Merton Model	
17	108/12/30 ~ 109/01/05	Valuing Stock Options:The Black-Scholes-Merton Model	
18	109/01/06 ~ 109/01/12	Final Exam	
Requirement			
Teaching Facility		Computer	
Textbooks and Teaching Materials		Fundamentals of Futures and Options Markets John C. Hull 8 Edition	
References			
Number of Assignment(s)		(Filled in by assignment instructor only)	
Grading Policy		◆ Attendance : 10.0 % ◆ Mark of Usual : % ◆ Midterm Exam : 40.0 % ◆ Final Exam : 50.0 % ◆ Other < > : %	
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 . ※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.	