

Tamkang University Academic Year 112, 2nd Semester Course Syllabus

Course Title	FUTURES AND OPTIONS	Instructor	CHEUNG-SUM LU
Course Class	TLBAB3A DEPARTMENT OF BANKING AND FINANCE DIVISION OF GLOBAL FINANCIAL MANAGEMENT (ENGLISH-TAUGHT PROGRAM),	Details	<ul style="list-style-type: none"> ◆ General Course ◆ Required ◆ One Semester
Relevance to SDGs	3A SDG3 Good health and well-being for people SDG8 Decent work and economic growth		
Departmental Aim of Education			
<ul style="list-style-type: none"> I. Learning and instanding international financial theory. II. Learn to plan the future. III. Enhance the ability of practical analysis. IV. Increase the team research ability. V. Master the international financial pulsation. VI. Cultivate morality and global civilization. 			
Subject Departmental core competences			
<ul style="list-style-type: none"> A. The student to have a basic knowledge of international financial management theory and practice.(ratio:25.00) 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:15.00) 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:20.00) F. To obtain a basic ability to examine domestic and global financial situations.(ratio:15.00) 			
Subject Schoolwide essential virtues			
<ul style="list-style-type: none"> 1. A global perspective. (ratio:10.00) 2. Information literacy. (ratio:20.00) 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:5.00)
7. A spirit of teamwork and dedication. (ratio:10.00)
8. A sense of aesthetic appreciation. (ratio:5.00)

Course
Introduction

Discuss the mechanism of futures and options markets, introduce the pricing of futures, forward, and options contract, and present how one uses those derivatives as hedging tools.

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	Discuss in-depth the mechanisms of the futures and options market.	Affective
2	Present various models to price forward, futures, and options contracts.	Psychomotor
3	Apply hedging strategies using forward, futures, and options contracts.	Cognitive

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

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment

1	ABC	1234	Lecture, Discussion, Practicum	Testing, Study Assignments, Discussion(including classroom and online), Practicum, Report(including oral and written), Activity Participation
2	DEF	45678	Lecture, Discussion, Practicum, Imitation	Testing, Study Assignments, Discussion(including classroom and online), Practicum, Activity Participation
3	DEF	78	Lecture, Discussion, Practicum	Testing, Study Assignments, Discussion(including classroom and online), Practicum, Activity Participation

Course Schedule

Week	Date	Course Contents	Note
1	113/02/19~ 113/02/25	Introduction, 2/20	
2	113/02/26~ 113/03/03	Introduction, 2/27	
3	113/03/04~ 113/03/10	Futures market, 3/5	
4	113/03/11~ 113/03/17	Futures market, 3/12	
5	113/03/18~ 113/03/24	Pricing forward and futures, 3/19	
6	113/03/25~ 113/03/31	Pricing forward and futures, 3/26	
7	113/04/01~ 113/04/07	Spring break, 4/2	
8	113/04/08~ 113/04/14	Options contracts, 4/9	
9	113/04/15~ 113/04/21	Options contracts, 4/16	
10	113/04/22~ 113/04/28	Pricing options, 4/23	
11	113/04/29~ 113/05/05	Pricing options, 4/30	
12	113/05/06~ 113/05/12	Review session, 5/7	
13	113/05/13~ 113/05/19	Final Exam, 5/14	
14	113/05/20~ 113/05/26	Option strategies, 5/21	
15	113/05/27~ 113/06/02	Option strategies, 5/28	

16	113/06/03 ~ 113/06/09	Binomial tree, 6/4	
17	113/06/10 ~ 113/06/16	Binomial tree, 6/11	
18	113/06/17 ~ 113/06/23	Flex week, learning activities should be arranged.	
Key capabilities	self-directed learning Problem solving		
Interdisciplinary	Competency-based education 'competency exploration' sustained competency or global issues STEEP (Society, Technology, Economy, Environment, and Politics) In addition to teaching content of the teacher's professional field, integrate other subjects or invite experts and scholars in other fields to share knowledge or teaching		
Distinctive teaching	Project implementation course		
Course Content	Logical Thinking		
Requirement	Please refer to the Extended Syllabus on the class website.		
Textbooks and Teaching Materials	Using teaching materials from other writers:Textbooks		
References	Options, Futures, and Other Derivatives, John C. Hull, 9th Ed., Pearson		
Grading Policy	<p>◆ Attendance : 5.0 % ◆ Mark of Usual : 25.0 % ◆ Midterm Exam : 5.0 %</p> <p>◆ Final Exam : 45.0 %</p> <p>◆ Other 〈Project〉 : 20.0 %</p>		
Note	<p>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 .</p> <p>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</p>		