

Tamkang University Academic Year 112, 2nd Semester Course Syllabus

Course Title	FUTURES AND OPTIONS	Instructor	AN-CHI WU
Course Class	TLFBB4A DIVISION OF GLOBAL COMMERCE, DEPARTMENT OF INTERNATIONAL BUSINESS (ENGLISH-TAUGHT PROGRAM), 4A	Details	<ul style="list-style-type: none"> ◆ General Course ◆ Selective ◆ One Semester
Relevance to SDGs	SDG9 Industry, Innovation, and Infrastructure		
Departmental Aim of Education			
<p>I. To instill the university motto of "Simplicity, Firmness, Perseverance, and Fulfillment" into students.</p> <p>II. By integrating the "Five Disciplines" of education, the qualities of conduct, intelligence, physical education, teamwork, and beauty into the professional, core, and extracurricular curriculum, the department helps to produce well-rounded students skilled in identifying and solving problems.</p> <p>III. To oversee the trend and foresee the development of global economy, the department aims to produce the graduates with expertise in the fields of International Business and Trade.</p>			
Subject Departmental core competences			
<p>A. Breeding professionals with expertise in general International Trade and International Business.(ratio:40.00)</p> <p>B. Consisting of Globalization, Information-Oriented and Future-Oriented education. (ratio:10.00)</p> <p>C. Producing graduates with capability of foreseeing and analyzing the development of Global Economy.(ratio:40.00)</p> <p>D. Breeding professionals with expertise in Marketing and Financial Management.(ratio:10.00)</p>			
Subject Schoolwide essential virtues			
<p>1. A global perspective. (ratio:25.00)</p> <p>2. Information literacy. (ratio:15.00)</p> <p>3. A vision for the future. (ratio:15.00)</p> <p>4. Moral integrity. (ratio:5.00)</p> <p>5. Independent thinking. (ratio:20.00)</p> <p>6. A cheerful attitude and healthy lifestyle. (ratio:5.00)</p>			

7. A spirit of teamwork and dedication. (ratio:10.00)

8. A sense of aesthetic appreciation. (ratio:5.00)

Course Introduction

This course aims to introduce the derivatives markets. The topics will include futures, forwards, options, hedging, and value at risk. The course focuses on understanding how firms use these derivatives to manage interest rates, exchange rates, and commodity price risks. At the end of the period, students are expected to have an essential ability to elaborate on the functions of derivatives and be able to fully understand how derivatives can help investors diversify their investment portfolios.

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	1. To understand the basic derivatives and their applications. 2. To learn the important concepts in derivative markets. 3. To comprehend the essentials of financial investment.	Cognitive

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

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	ABCD	12345678	Lecture, Discussion, Publication, 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	Course Introduction	
2	113/02/26~ 113/03/03	An overview of derivative markets and instruments	

3	113/03/04 ~ 113/03/10	Mechanics of Futures and Forward Markets	
4	113/03/11 ~ 113/03/17	Determination of Forward and Futures Prices	
5	113/03/18 ~ 113/03/24	Valuation of Forwards and Futures 1	
6	113/03/25 ~ 113/03/31	Valuation of Forwards and Futures 2	
7	113/04/01 ~ 113/04/07	Spring Break	No Class
8	113/04/08 ~ 113/04/14	Interest Rates and Exchange Rates	
9	113/04/15 ~ 113/04/21	Midterm Exam Week	
10	113/04/22 ~ 113/04/28	Mechanics of Options Markets 1	
11	113/04/29 ~ 113/05/05	Mechanics of Options Markets 2	
12	113/05/06 ~ 113/05/12	Properties of Stock Options	
13	113/05/13 ~ 113/05/19	Volatility Smiles	
14	113/05/20 ~ 113/05/26	Value at Risk	
15	113/05/27 ~ 113/06/02	Graduate Exam Week	
16	113/06/03 ~ 113/06/09		
17	113/06/10 ~ 113/06/16		
18	113/06/17 ~ 113/06/23		
Key capabilities	self-directed learning		
Interdisciplinary	Competency-based education 'competency exploration' sustained competency or global issues STEEP (Society, Technology, Economy, Environment, and Politics)		
Distinctive teaching	Industry-university collaboration courses Collaborative teaching (multiple teachers and business teachers in the school) course		
Course Content	Logical Thinking		

Requirement	<p>1. Students need to master the basics of finance theory and its vocabulary.</p> <p>2. The course content and progress will be adjusted accordingly based on the interaction between the instructor and students.</p>
Textbooks and Teaching Materials	<p>Self-made teaching materials:Handouts</p> <p>Using teaching materials from other writers:Textbooks</p>
References	Options, Futures, and Other Derivatives, by John C. Hull. 11th Edition
Grading Policy	<p>◆ Attendance : 20.0 % ◆ Mark of Usual : 40.0 % ◆ Midterm Exam : 20.0 %</p> <p>◆ Final Exam : 20.0 %</p> <p>◆ Other () : %</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>