

Tamkang University Academic Year 110, 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:20.00)</p> <p>B. Consisting of Globalization, Information-Oriented and Future-Oriented education. (ratio:20.00)</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:20.00)</p>			
Subject Schoolwide essential virtues			
<p>1. A global perspective. (ratio:20.00)</p> <p>2. Information literacy. (ratio:20.00)</p> <p>3. A vision for the future. (ratio:20.00)</p> <p>5. Independent thinking. (ratio:40.00)</p>			

Course Introduction	<p>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 manage interest rate risk, exchange rate risk, and commodity price risk using these derivatives. At the end of the course, 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 portfolio.</p>
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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	1235	Lecture, Discussion, Publication, Practicum	Testing, Study Assignments, Discussion(including classroom and online), Practicum, Activity Participation

Course Schedule

Week	Date	Course Contents	Note
1	111/02/21~ 111/02/25	Course Introduction	
2	111/02/28~ 111/03/04	An overview of derivative markets and instruments	
3	111/03/07~ 111/03/11	Mechanics of Futures and Forward Markets	

4	111/03/14 ~ 111/03/18	Determination of Forward and Futures Prices	
5	111/03/21 ~ 111/03/25	Valuation of Forwards and Futures	
6	111/03/28 ~ 111/04/01	Interest Rates	
7	111/04/04 ~ 111/04/08	Spring Break	No Class
8	111/04/11 ~ 111/04/15	Exchange Rates	
9	111/04/18 ~ 111/04/22	Commodity Derivatives	
10	111/04/25 ~ 111/04/29	Midterm Exam Week	
11	111/05/02 ~ 111/05/06	Mechanics of Options Markets	
12	111/05/09 ~ 111/05/13	Properties of Stock Options	
13	111/05/16 ~ 111/05/20	Volatility Smiles	
14	111/05/23 ~ 111/05/27	Value at Risk	
15	111/05/30 ~ 111/06/03	Graduate Exam Week	
16	111/06/06 ~ 111/06/10	---	
17	111/06/13 ~ 111/06/17	---	
18	111/06/20 ~ 111/06/24	---	

Requirement	1.Students need to master the basics of finance theory and vocabulary. 2.The course content and progress will be adjusted accordingly based on the interaction between instructor and students.
Teaching Facility	(None)
Textbooks and Teaching Materials	John Hull, Fundamentals of Futures and Options Markets (English) 9th John Hull, Options, Futures, and Other Derivatives, 9th
References	
Number of Assignment(s)	6 (Filled in by assignment instructor only)
Grading Policy	◆ Attendance : 20.0 % ◆ Mark of Usual : 40.0 % ◆ Midterm Exam : 20.0 % ◆ Final Exam : 20.0 % ◆ 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>.

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