

## Tamkang University Academic Year 102, 1st Semester Course Syllabus

Course Title	FUTURES AND OPTIONS	Instructor	JOUNG-YOL LIN
Course Class	TLFXB4A DEPARTMENT OF INTERNATIONAL BUSINESS, 4A	Details	<ul style="list-style-type: none"> <li>◆ Selective</li> <li>◆ One Semester</li> <li>◆ 2 Credits</li> </ul>
D e p a r t m e n t a l   t e a c h i n g   o b j e c t i v e s			
<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>			
D e p a r t m e n t a l   c o r e   c o m p e t e n c e s			
<p>A. Breeding professionals with expertise in general International Trade and International Business.</p> <p>B. Consisting of Globalization, Information-Oriented and Future-Oriented education.</p> <p>C. Producing graduates with capability of foreseeing and analyzing the development of Global Economy.</p> <p>D. Breeding professionals with expertise in Marketing and Financial Management.</p>			
Course Introduction	<p>You will find detailed coverage of options, futures, forwards, swaps, and risk management as well as a balanced introduction to pricing, trading, and strategy. A variety of practical end-of-chapter applications, memorable examples from real businesses, and minimal use of technical mathematics keep the text accessible and engaging for students.</p>		

**The Relevance among Teaching Objectives, Objective Levels and Departmental core competences**

I.Objective Levels (select applicable ones) :

- (i) Cognitive Domain : C1-Remembering, C2-Understanding, C3-Applying,  
C4-Analyzing, C5-Evaluating, C6-Creating
- (ii) Psychomotor Domain : P1-Imitation, P2-Mechanism, P3-Independent Operation,  
P4-Linked Operation, P5-Automation, P6-Origination
- (iii) Affective Domain : A1-Receiving, A2-Responding, A3-Valuing,  
A4-Organizing, A5-Charaterizing, A6-Implementing

II.The Relevance among Teaching Objectives, Objective Levels and Departmental core competences :

- (i) Determine the objective level(s) in any one of the three learning domains (cognitive, psychomotor, and affective) corresponding to the teaching objective. Each objective should correspond to the objective level(s) of ONLY ONE of the three domains.
- (ii) If more than one objective levels are applicable for each learning domain, select the highest one only. (For example, if the objective levels for Cognitive Domain include C3,C5,and C6, select C6 only and fill it in the boxes below. The same rule applies to Psychomotor Domain and Affective Domain.)
- (iii) Determine the Departmental core competences that correspond to each teaching objective. Each objective may correspond to one or more Departmental core competences at a time. (For example, if one objective corresponds to three Departmental core competences: A,AD, and BEF, list all of the three in the box.)

No.	Teaching Objectives	Relevance	
		Objective Levels	Departmental core competences
1	cultivating the students' professional capability in trading, dealing,doing the relevant financial services in futures and options.	C5	ABCD

**Teaching Objectives, Teaching Methods and Assessment**

No.	Teaching Objectives	Teaching Methods	Assessment
1	cultivating the students' professional capability in trading, dealing,doing the relevant financial services in futures and options.	Lecture, Discussion, Problem solving	Written test, Report, Participation

This course has been designed to cultivate the following essential qualities in TKU students

Essential Qualities of TKU Students	Description
◆ A global perspective	Helping students develop a broader perspective from which to understand international affairs and global development.
◇ Information literacy	Becoming adept at using information technology and learning the proper way to process information.
◆ A vision for the future	Understanding self-growth, social change, and technological development so as to gain the skills necessary to bring about one's future vision.
◇ Moral integrity	Learning how to interact with others, practicing empathy and caring for others, and constructing moral principles with which to solve ethical problems.
◆ Independent thinking	Encouraging students to keenly observe and seek out the source of their problems, and to think logically and critically.
◆ A cheerful attitude and healthy lifestyle	Raising an awareness of the fine balance between one's body and soul and the environment; helping students live a meaningful life.
◆ A spirit of teamwork and dedication	Improving one's ability to communicate and cooperate so as to integrate resources, collaborate with others, and solve problems.
◇ A sense of aesthetic appreciation	Equipping students with the ability to sense and appreciate aesthetic beauty, to express themselves clearly, and to enjoy the creative process.

#### Course Schedule

Week	Date	Subject/Topics	Note
1	102/09/16~ 102/09/22	Introduction	
2	102/09/23~ 102/09/29	Structure of options markets	
3	102/09/30~ 102/10/06	Principles of option pricing	
4	102/10/07~ 102/10/13	Option pricing models: the binomial model	
5	102/10/14~ 102/10/20	Option pricing models: the black-scholes-merton model	
6	102/10/21~ 102/10/27	Basic option strategies	
7	102/10/28~ 102/11/03	Advanced option strategies	
8	102/11/04~ 102/11/10	The structure of forward and futures markets	
9	102/11/11~ 102/11/17	Principles of pricing forwards, futures, and options on futures	
10	102/11/18~ 102/11/24	Midterm Exam Week	
11	102/11/25~ 102/12/01	Futures and arbitrage strategies	

12	102/12/02 ~ 102/12/08	Forward and futures hedging, spread, and target strategies	
13	102/12/09 ~ 102/12/15	swaps	
14	102/12/16 ~ 102/12/22	Interest rate forwards and options	
15	102/12/23 ~ 102/12/29	Advanced derivatives and strategies	
16	102/12/30 ~ 103/01/05	Financial risk management techniques and applications	
17	103/01/06 ~ 103/01/12	Managing risk in an organization	
18	103/01/13 ~ 103/01/19	Final Exam Week	
Requirement	Need to understand the basic skill of ex-cell application in computer software		
Teaching Facility	Computer, Projector		
Textbook(s)	"An Introduction To Derivatives And Risk Management, 9/e" Don M. Chance & Robert Brooks, 978-1133190219		
Reference(s)			
Number of Assignment(s)	8 (Filled in by assignment instructor only)		
Grading Policy	◆ Attendance : 20.0 %    ◆ Mark of Usual : 20.0 %    ◆ Midterm Exam : 30.0 % ◆ Final Exam : 30.0 % ◆ Other ( ) : %		
Note	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> . <b>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</b>		