

Tamkang University Academic Year 107, 1st Semester Course Syllabus

Course Title	FIXED INCOME SECURITIES AND FINANCIAL INNOVATION	Instructor	HUANG, CHIEN-MING
Course Class	TLUXM1A TKU-QUT DUAL MASTER DEGREE PROGRAM IN FINANCE (ENGLISH-TAUGHT PROGRAM), 1A	Details	<ul style="list-style-type: none"> ◆ Selective ◆ One Semester ◆ 2 Credits
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			
<p>I. To cultivate a professional understanding of the theory and skills of finance.</p> <p>II. To be able to solve practical problems by professional knowledge of finance.</p> <p>III. Possess the ability to communicate and express views regarding financial profession.</p> <p>IV. Emphasize corporation and coordination within a team.</p> <p>V. To expand international vision and civic awareness.</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. Have a strong grasp of the advanced knowledge and skills in professional finance.</p> <p>B. Possess the advanced application ability to financial practices.</p> <p>C. To be capable of communicating and expressing views in terms of advanced finance.</p> <p>D. Illustrate the ability of corporation and coordination within a team.</p> <p>E. Understand international financial issues and corporate responsibility.</p>			
Course Introduction	<p>This course is designed to discuss the analytical framework necessary to understand the pricing of bonds and characteristics of financial derivatives.</p> <p>Students are expected to have abilities to value bonds and quantify their exposure to changes in interest rates, and portfolio strategies using different derivatives.</p>		

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

I. Objective Levels (select applicable ones) :

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|-------------------------|-------------------------------------|---------------------------|
| (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	To know the theoretical development of fixed income securities and different derivatives, analytical techniques for valuing bonds, and quantifying their exposure to changes in interest rates, and portfolio strategies.	C4	ABCD

Teaching Objectives, Teaching Methods and Assessment

No.	Teaching Objectives	Teaching Methods	Assessment
1	To know the theoretical development of fixed income securities and different derivatives, analytical techniques for valuing bonds, and quantifying their exposure to changes in interest rates, and portfolio strategies.	Lecture, Discussion	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	107/09/10 ~ 107/09/16	Course introduction and grading policy	
2	107/09/17 ~ 107/09/23	Pricing of Bonds	
3	107/09/24 ~ 107/09/30	Day-Off for Mid-Autumn Festival (no classes)	
4	107/10/01 ~ 107/10/07	Measuring Yield	
5	107/10/08 ~ 107/10/14	Volatility of fixed income securities(I)	
6	107/10/15 ~ 107/10/21	Volatility of fixed income securities(II)	
7	107/10/22 ~ 107/10/28	Reading journal articles(I)	
8	107/10/29 ~ 107/11/04	Reading journal articles(II)	
9	107/11/05 ~ 107/11/11	Mid-term report(I)	
10	107/11/12 ~ 107/11/18	Mid-term report(II)	
11	107/11/19 ~ 107/11/25	Real estate investment trusts(I)	
12	107/11/26 ~ 107/12/02	Real estate investment trusts(II)	

13	107/12/03 ~ 107/12/09	Credit Risk Modeling(I)	
14	107/12/10 ~ 107/12/16	Credit Risk Modeling(II)	
15	107/12/17 ~ 107/12/23	Reading journal articles(I)	
16	107/12/24 ~ 107/12/30	Reading journal articles(I)	
17	107/12/31 ~ 108/01/06	Final report(I)	
18	108/01/07 ~ 108/01/13	Final report(II)	
Requirement	Please be aware of the copyright law and do not make copies illegally.		
Teaching Facility	Computer, Projector		
Textbook(s)			
Reference(s)	Papers from Journals, e.g. Journal of derivatives, fixed income securities, portfolio managment... etc.		
Number of Assignment(s)	(Filled in by assignment instructor only)		
Grading Policy	◆ Attendance : 20.0 % ◆ Mark of Usual : % ◆ Midterm Exam : 40.0 % ◆ Final Exam : 40.0 % ◆ 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.		