Tamkang University Academic Year 112, 1st Semester Course Syllabus

Course Title	FIXED INCOME SECURITIES AND FINANCIAL INNOVATION	Instructor	LIN, CHEN-SHENG				
Course Class	TLUXM1A TKU-QUT DUAL MASTER DEGREE PROGRAM IN FINANCE (ENGLISH-TAUGHT PROGRAM), 1A	Details	 General Course Selective One Semester 				
Relevance to SDGs	SDG8 Decent work and economic growth						
Departmental Aim of Education							
I.To cult	I. To cultivate a professional understanding of the theory and skills of finance.						
П. To be a	able to solve practical problems by professional knowledge of fi	nance.					
III. Posses	s the ability to communicate and express views regarding financ	cial profession					
IV. Empha	size corporation and coordination within a team.						
V.To exp	and international vision and civic awareness.						
Subject Departmental core competences							
 A. Have a strong grasp of the advanced knowledge and skills in professional finance. (ratio:20.00) 							
B. Possess	B. Possess the advanced application ability to financial practices.(ratio:20.00)						
C. To be capable of communicating and expressing views in terms of advanced finance. (ratio:25.00)							
D. Illustrate the ability of corporation and coordination within a team.(ratio:20.00)							
E. Understa	E. Understand international financial issues and corporate responsibility.(ratio:15.00)						
Subject Schoolwide essential virtues							
1. A global perspective. (ratio:20.00)							
2. Information literacy. (ratio:20.00)							
3. A vision for the future. (ratio:20.00)							
4. Moral integrity. (ratio:10.00)							
5. Independent thinking. (ratio:10.00)							
6. A cheer	6. A cheerful attitude and healthy lifestyle. (ratio:10.00)						
7. A spirit	7. A spirit of teamwork and dedication. (ratio:5.00)						

	8. A sense	of aesthe	tic appreciation. (ratio:5	.00)		
market operations, and risk maincluding bond valuation, bondCourseIntroductiontransformation due to advance			operations, and risk mang bond valuation, bond rement, term structure of ng. Over the past few de rmation due to advance	th analysis of fixed-income securities va inagement. It covers a wide range of top d price volatility determination, interest of interest rates, interest-rate models, ar ecades, the financial industry has experi- ements in technology. This course ackno- orates discussions on financial innovatio	pics, rate risk Id credit risk enced rapid wledges the	
da I. II.	fferentiate the omains of the o . Cognitive : Er the Affective : Em mo .Psychomotor	various c course's ir nphasis u course's ohasis up rals, attitu	and objective methods amor nstructional objectives. pon the study of various veracity, conception, pro on the study of various k ude, conviction, values, e is upon the study of the	ourse's instructional objectives and the d psychomotor objectives. Ing the cognitive, affective and psychom s kinds of knowledge in the cognition of ocedures, outcomes, etc. kinds of knowledge in the course's appe etc. course's physical activity and technical	otor	
No.			Teaching Ob	jectives	objective methods	
1	Understand characteristi	d the pricing of bonds and their investment Cognitive tics.				
2	Learn analytical tools used in interest rate modeling and risk Cognitive management.					
3	Understand the meaning of financial innovation within the financial Cognitive system.					
4	-	To help students formulate research ideas and methodologies in the Cognitive field				
	The	correspond	ences of teaching objectives	: core competences, essential virtues, teaching n	nethods, and assessment	
No.	Core Compe	tences	Essential Virtues	Teaching Methods	Assessment	
1	ABCDE		12345678	Lecture, Discussion	Testing, Study Assignments, Report(including oral and written)	

2	ABCDE		12345678	Lecture, Discussion	Testing, Study Assignments, Report(including oral and		
3	ABCDE		12345678	Lecture, Discussion	written) Testing, Study Assignments, Report(including oral and written)		
4	ABCDE		12345678	Lecture, Discussion	Testing, Study Assignments, Report(including oral and written)		
		1		Course Schedule			
Week	Date	Course Contents Note					
1	112/09/11~ 112/09/17	Syllabus Discussion and Course Introduction					
2	112/09/18~ 112/09/24	Pricing of Bonds					
3	112/09/25~ 112/10/01	Pricing	Pricing of Bonds				
4	112/10/02 ~ 112/10/08	Measuring Yield					
5	112/10/09~ 112/10/15	Measuring Yield					
6	112/10/16~ 112/10/22	Bond Price Volatility					
7	112/10/23~ 112/10/29	Bond Price Volatility					
8	112/10/30~ 112/11/05	Factors Affecting Bond Yields					
9	112/11/06~ 112/11/12	Term Structure of Interest Rates					
10	112/11/13~ 112/11/19	Midterm Exam Week					
11	112/11/20~ 112/11/26	Interest-Rate Models					
12	112/11/27 ~ 112/12/03	Interest-Rate Models					
13	112/12/04~ 112/12/10	Credit Risk Modeling					
14	112/12/11~ 112/12/17	Credit Risk Modeling					
15	112/12/18~ 112/12/24	Guest speaker: Introduction to Financial Innovation					
16	112/12/25~ 112/12/31	Oral Presentation of the Group Project I					
17	113/01/01~ 113/01/07	Oral Presentation of the Group Project II					
18	113/01/08~ 113/01/14	Flex week, learning activities should be arranged.Submit Term Paper					

Key capabilities	
Interdisciplinary	
Distinctive teaching	
Course Content	Logical Thinking
Requirement	 Some topics will require the fundamental knowledge of financial management and investment. Students without prior knowledge in these areas will be provided with a supplementary reading list. Some topics covered in the course will use middle school level algebra. Students are required to form small groups of two individuals to conduct a literature review and analysis on fixed income securities and financial innovation. These topics should be based on the theories introduced in the course. It is the responsibility of the students to find their own partners for the group project. After the university's scheduled mid-term exam week, each group must establish a work schedule and management plan for the project. The formal presentation for the group project will consist of both oral and written components, both of which should be in English. A written report (less than 10 pages) on the group project must be submitted by the last week of the semester. Please be aware that the instructor retains the right to make necessary adjustments to this syllabus.
Textbooks and Teaching Materials	Using teaching materials from other writers:Textbooks Name of teaching materials: Fabozzi, F. J. (2016): Bond Markets, Analysis, and Strategies, 8th Edition, Pearson Education. (Taipei:Yeh Yeh Book Gallery)
References	Papers & Lecture Notes
Grading Policy	 Attendance: 15.0 % ◆ Mark of Usual: 20.0 % ◆ Midterm Exam: 30.0 % ◆ Final Exam: % ♦ Other ⟨Group Project⟩: 35.0 %
Note	This syllabus may be uploaded at the website of Course Syllabus Management System at <u>http://info.ais.tku.edu.tw/csp</u> or through the link of Course Syllabus Upload posted on the home page of TKU Office of Academic Affairs at <u>http://www.acad.tku.edu.tw/CS/main.php</u> . ※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.

TLUXM1B1687 0A