

Tamkang University Academic Year 114, 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	◆ Distance Learning Course ◆ Selective ◆ One Semester ◆ 2 Credits
Relevance to SDGs	SDG4 Quality education SDG8 Decent work and economic growth		
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			
I . To cultivate a professional understanding of the theory and skills of finance. II. To be able to solve practical problems by professional knowledge of finance. III. Possess the ability to communicate and express views regarding financial profession. IV. Emphasize corporation and coordination within a team. V . To expand 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 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. 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 cheerful attitude and healthy lifestyle. (ratio:10.00) 7. A spirit of teamwork and dedication. (ratio:5.00)			

8. A sense of aesthetic appreciation. (ratio:5.00)				
Course Introduction	<p>This course offers an in-depth analysis of fixed-income securities valuation, market operations, and risk management. It covers a wide range of topics, including bond valuation, bond price volatility determination, interest rate risk measurement, the term structure of interest rates, interest-rate models, and credit risk modeling.</p> <p>Over the past few decades, the financial industry has experienced rapid transformation due to technological advancements. This course acknowledges the evolving landscape and incorporates discussions on financial innovations.</p>			
<p>The correspondences between the course's instructional objectives and the cognitive, affective, and psychomotor objectives.</p> <p>Differentiate the various objective methods among the cognitive, affective and psychomotor domains of the course's instructional objectives.</p> <p>I. Cognitive : Emphasis upon the study of various kinds of knowledge in the cognition of the course's veracity, conception, procedures, outcomes, etc.</p> <p>II.Affective : Emphasis upon the study of various kinds of knowledge in the course's appeal, morals, attitude, conviction, values, etc.</p> <p>III.Psychomotor: Emphasis upon the study of the course's physical activity and technical manipulation.</p>				
No.	Teaching Objectives			objective methods
1	Understand the pricing of bonds and their investment characteristics.			Cognitive
2	Learn analytical tools used in interest rate modeling and risk management.			Cognitive
3	Understand the meaning of financial innovation within the financial system.			Cognitive
4	To help students formulate research ideas and methodologies in the field of finance.			Cognitive
The correspondences of teaching objectives : core competences, essential virtues, teaching methods, and assessment				
No.	Core Competences	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 written)
3	ABCDE	12345678	Lecture, Discussion	Testing, Study Assignments, Report(including oral and written)
4	ABCDE	12345678	Lecture, Discussion	Testing, Study Assignments, Report(including oral and written)

Course Schedule

Note for Distance Learning Course : Please clearly indicate synchronous and asynchronous courses.

Week	Date	Course Contents	Note
1	114/09/15 ~ 114/09/21	Syllabus Discussion and Course Introduction	synchronous
2	114/09/22 ~ 114/09/28	Pricing of Bonds	asynchronous
3	114/09/29 ~ 114/10/05	Pricing of Bonds	asynchronous
4	114/10/06 ~ 114/10/12	Measuring Yield	asynchronous
5	114/10/13 ~ 114/10/19	Measuring Yield	asynchronous
6	114/10/20 ~ 114/10/26	Bond Price Volatility	asynchronous
7	114/10/27 ~ 114/11/02	Bond Price Volatility	asynchronous
8	114/11/03 ~ 114/11/09	Factors Affecting Bond Yields	asynchronous
9	114/11/10 ~ 114/11/16	Factors Affecting Bond Yields	asynchronous
10	114/11/17 ~ 114/11/23	Midterm Exam	synchronous
11	114/11/24 ~ 114/11/30	Guest Speaker	synchronous
12	114/12/01 ~ 114/12/07	Term Structure of Interest Rates	asynchronous
13	114/12/08 ~ 114/12/14	Oral Presentation of the Individual Project I	Online (Teams)
14	114/12/15 ~ 114/12/21	Oral Presentation of the Individual Project II	Online (Teams)
15	114/12/22 ~ 114/12/28	National Day	asynchronous
16	114/12/29 ~ 115/01/04	National Day	asynchronous
17	115/01/05 ~ 115/01/11	Submit Term Paper	asynchronous
18	115/01/12 ~ 115/01/18	Flexible Teaching Week for Teachers	asynchronous

Key capabilities	self-directed learning Problem solving
Interdisciplinary	In addition to teaching content of the teacher's professional field, integrate other subjects or invite experts and scholars in other fields to share knowledge or teaching
Distinctive teaching	
Course Content	Logical Thinking
Requirement	<p>1. Some topics will require a fundamental knowledge of financial management and investment. Students without prior knowledge in these areas will be provided with a supplementary reading list.</p> <p>2. Some topics covered in the course will use middle school level algebra.</p> <p>3. Students are required 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 After the scheduled mid-term exam week, every student must establish a work schedule and management plan for the project. The formal presentation for the 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 project must be submitted by the 17th week of the semester.</p> <p>4. Please be aware that the instructor retains the right to make necessary adjustments to this syllabus.</p>
Textbooks and Teaching Materials	<p>Using teaching materials from other writers:Textbooks</p> <p>Name of teaching materials:</p> <p>Fabozzi, F. J. (2016): Bond Markets, Analysis, and Strategies, 8th Edition, Pearson Education. (Taipei:Yeh Yeh Book Gallery)</p>
References	Papers & Lecture Notes
Grading Policy	<p>◆ Attendance : 5.0 % ◆ Mark of Usual : 25.0 % ◆ Midterm Exam : 30.0 %</p> <p>◆ Final Exam : %</p> <p>◆ Other 〈Term Project、Online〉 : 40.0 %</p>

Note	<ol style="list-style-type: none"> 1. This syllabus may be uploaded at the website of the Course Syllabus Management System at https://web2.ais.tku.edu.tw/csp or through the link of the Course Syllabus Upload posted on the home page of the TKU Office of Academic Affairs http://www.acad.tku.edu.tw/CS/main.php 2. According to the Implementation regulations of distance education for junior college and above are prescribed pursuant to Article 2, "The distance learning course referred to in these Measures refers to more than one-half of the teaching hours in each subject." 3. According to the regulations of Tamkang University Enforcement Rules for digital teaching, Paragraph 2 and Article 3, the distance learning course of our school must be "The course of digital teaching with distance learning platform or synchronous video system in our school. Teaching Hours include course lectures, teacher-student interaction discussions, quizzes and other learning activities." 4. If there are any temporary course changes (including time changes and classroom changes of distance learning courses, blended courses), please make out an application according to regulations to the Office of Academic Affairs. <p>※"Adhere to the concept of intellectual property rights" and "Do not illegally photocopy, download, or distribute." Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</p>
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