

## Tamkang University Academic Year 110, 1st Semester Course Syllabus

Course Title	FIXED INCOME SECURITIES AND FINANCIAL INNOVATION	Instructor	GI-EU LEE
Course Class	TLUXM1A TKU-QUT DUAL MASTER DEGREE PROGRAM IN FINANCE (ENGLISH-TAUGHT PROGRAM), 1A	Details	<ul style="list-style-type: none"> <li>◆ General Course</li> <li>◆ Selective</li> <li>◆ One Semester</li> </ul>
Relevance to SDGs	SDG4 Quality education SDG8 Decent work and economic growth		
<b>Departmental Aim of Education</b>			
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.			
<b>Subject Departmental core competences</b>			
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)			
<b>Subject Schoolwide essential virtues</b>			
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**

Financial management has evolved rapidly in the past decades. This course illustrates innovations in finance with a focus on fixed income securities, a major category of financial instruments of various innovations. The course first describes conventional fixed income securities, their key factors of pricing, and the derivatives as the result of the innovations. The innovations of financial institutions and markets will also be covered. The second half of this course extends the scope to some trending technologies and their applications in finance that could reshape this sector.

**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. Understand the driven force of financial innovations 2. Apprehend the essentials of financial innovations 3. Learn the basics of fixed income securities and their derivatives 4. Learn the fundamental knowledge regarding financial innovations in instruments, institutions, markets, and technologies 5. Apply the above to comprehend the essentials of new financial commodities or services	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, Discussion(including classroom and online), Report(including oral and written)

**Course Schedule**

Week	Date	Course Contents	Note

1	110/09/22 ~ 110/09/28	1. Syllabus Discussion and Course Introduction 2. Review of Background Knowledge.	
2	110/09/29 ~ 110/10/05	Introduction to Financial Innovation: Scope and Driven Force	
3	110/10/06 ~ 110/10/12	Fixed Income Securities: An Overview	
4	110/10/13 ~ 110/10/19	Bond Pricing & Term Structure of Interest Rates	
5	110/10/20 ~ 110/10/26	Derivatives of Fixed Income Securities	
6	110/10/27 ~ 110/11/02	Innovations of Financial Instruments, Institutions, and Markets	
7	110/11/03 ~ 110/11/09	Innovations of Financial Instruments, Institutions, and Markets	
8	110/11/10 ~ 110/11/16	Internet and Blockchain	
9	110/11/17 ~ 110/11/23	Midterm Exam	
10	110/11/24 ~ 110/11/30	Big Data and Artificial Intelligence	
11	110/12/01 ~ 110/12/07	Payment	
12	110/12/08 ~ 110/12/14	Insurance	
13	110/12/15 ~ 110/12/21	Risk Assessment and Credit Rating	
14	110/12/22 ~ 110/12/28	Loans	
15	110/12/29 ~ 111/01/04	Crowdfunding	
16	111/01/05 ~ 111/01/11	The Essentials and Concerns	
17	111/01/12 ~ 111/01/18	Final Exam	
18	111/01/19 ~ 111/01/25		
Requirement	<p>1. Some topics will require the fundamental knowledge of economics, finance, and banking. A supplemental reading list will be provided to the students without this background.</p> <p>2. Some topics will use middle school level algebra.</p> <p>3. There will be weekly reading assignments. The reading list will be provided in the class.</p> <p>4. The grade of "Mark of usual" includes but is not limited to: reading assignments, at least two short essays, active participation of class discussions.</p> <p>5. Note that, this syllabus could be modified in accordance with the students' background. Any content of this syllabus is subject to change.</p>		
Teaching Facility	Computer, Projector		
Textbooks and Teaching Materials	No textbook is required. Handouts and reading list will be provided.		

References	1. Fabozzi, F. J., 2016. Bond markets, Analysis, and Strategies. 2. Taiwan Academy of Banking and Finance, 2019. Fintech. 3. Mishkin, F. S., 2020. The Economics of Money, Banking and Financial Markets. 12th Edition. Pearson.
Number of Assignment(s)	(Filled in by assignment instructor only)
Grading Policy	<p>◆ Attendance :            %    ◆ Mark of Usual : 60.0 %    ◆ Midterm Exam : 10.0 %</p> <p>◆ Final Exam :    10.0 %</p> <p>◆ Other 〈Oral Presentations〉 : 20.0 %</p>
Note	<p>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> .</p> <p><b>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</b></p>