

Tamkang University Academic Year 108, 1st Semester Course Syllabus

Course Title	FIXED INCOME SECURITIES AND FINANCIAL INNOVATION	Instructor	YI-CHEN LIN
Course Class	TLUXM1A TKU-QUT DUAL MASTER DEGREE PROGRAM IN FINANCE (ENGLISH-TAUGHT PROGRAM), 1A	Details	<ul style="list-style-type: none"> ◆ General Course ◆ Selective ◆ One Semester
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>			
S u b j e c t 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. (ratio:20.00)</p> <p>B. Possess the advanced application ability to financial practices.(ratio:20.00)</p> <p>C. To be capable of communicating and expressing views in terms of advanced finance. (ratio:25.00)</p> <p>D. Illustrate the ability of corporation and coordination within a team.(ratio:20.00)</p> <p>E. Understand international financial issues and corporate responsibility.(ratio:15.00)</p>			
S u b j e c t S c h o o l w i d e e s s e n t i a l v i r t u e s			
<p>1. A global perspective. (ratio:20.00)</p> <p>2. Information literacy. (ratio:20.00)</p> <p>3. A vision for the future. (ratio:20.00)</p> <p>4. Moral integrity. (ratio:10.00)</p> <p>5. Independent thinking. (ratio:10.00)</p> <p>6. A cheerful attitude and healthy lifestyle. (ratio:10.00)</p> <p>7. A spirit of teamwork and dedication. (ratio:5.00)</p> <p>8. A sense of aesthetic appreciation. (ratio:5.00)</p>			

Course Introduction	<p>This course covers two fields fixed income securities and financial technology, with a focus on the latter. This course will devote 1/4 of the time to enable students to value bonds and quantify the exposure to interest rate risk. Then the course will spend 3/4 of the time to acquaint students with the latest development in fin tech and require students to propose new applications of fin tech to improve financial inclusion.</p>
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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	This course aims to educate students in cutting edge techniques for the selection and management of a portfolio of fixed income securities.	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, Publication	Testing, Study Assignments, Discussion(including classroom and online), Report(including oral and written), Activity Participation

Course Schedule

Week	Date	Course Contents	Note
1	108/09/09 ~ 108/09/15	Course introduction and introduction to fixed income securities	
2	108/09/16 ~ 108/09/22	Bond pricing	
3	108/09/23 ~ 108/09/29	Term structure of interest rates and duration analysis	

4	108/09/30 ~ 108/10/06	Term structure of interest rates	
5	108/10/07 ~ 108/10/13	The evolution and impacts of fin tech	
6	108/10/14 ~ 108/10/20	Cloud computing	
7	108/10/21 ~ 108/10/27	Big data analysis and new market platform	
8	108/10/28 ~ 108/11/03	Artificial intelligence	
9	108/11/04 ~ 108/11/10	Blockchain	
10	108/11/11 ~ 108/11/17	Midterm exam	
11	108/11/18 ~ 108/11/24	Payment system	
12	108/11/25 ~ 108/12/01	Field trip to FinTech Space and Fin & Tech Innovation Village	
13	108/12/02 ~ 108/12/08	Insurance technology	
14	108/12/09 ~ 108/12/15	Peer to peer lending	
15	108/12/16 ~ 108/12/22	Crowdfunding	
16	108/12/23 ~ 108/12/29	Robo-advisors	
17	108/12/30 ~ 109/01/05	Internet-only bank and open banking	
18	109/01/06 ~ 109/01/12	Final exam	
Requirement	<p>Students are encouraged to take the FIN TECH EXAM from TABF. Students will receive the TABF exam score times 10% as extra bonus points. There will be 7 oral presentations and short write-ups.</p> <p>One of the write-up should be on what they learn from FINTECH TAIPEI 2019. Students are required to propose a new business model that involves the fin techs discussed in class so as to promote financial inclusion and the efficiency of the financing and investing process.</p>		
Teaching Facility	Computer		
Textbooks and Teaching Materials	FIN TECH (2019) by TABF. Introduction to bond market (2018) by Xue, Li-Yen and Liu, Ya-Chiu, HWA TAI PUBLISHING CO.		
Number of Assignment(s)	7 (Filled in by assignment instructor only)		
Grading Policy	<p>◆ Attendance : 10.0 % ◆ Mark of Usual : % ◆ Midterm Exam : 10.0 %</p> <p>◆ Final Exam : 10.0 %</p> <p>◆ Other < Reports > : 70.0 %</p>		

Note	<p>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 .</p> <p>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</p>
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