

Tamkang University Academic Year 113, 2nd Semester Course Syllabus

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| Course Title | SPECIAL TOPICS ON FIXED INCOME SECURITIES | Instructor | CHANG, LI-HAN |
| Course Class | TLBBM1A MASTER'S PROGRAM, DEPARTMENT OF BANKING AND FINANCE (ENGLISH-TAUGHT PROGRAM), 1A | Details | ◆ General Course ◆ Selective ◆ One Semester ◆ 2 Credits |
| Relevance to SDGs | SDG4 Quality education | | |
| 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 | | | |
| In full and advanced financial courses to cultivate the international professional financial talents with independent analysis, judgement, and problem solve abilities. | | | |
| Subject Departmental core competences | | | |
| A. Cultivate advanced knowledge of financial theory.(ratio:30.00) B. Increase the skill of applied theory and practice.(ratio:30.00) C. Increase the ability of logical deduction.(ratio:10.00) D. Learning and use of financial research method.(ratio:10.00) E. Increase the ability to pass the exam of advanced financial professional certificate. (ratio:10.00) F. To have the potential of future advanced academic study.(ratio:10.00) | | | |
| Subject Schoolwide essential virtues | | | |
| 1. A global perspective. (ratio:10.00) 2. Information literacy. (ratio:20.00) 3. A vision for the future. (ratio:5.00) 4. Moral integrity. (ratio:10.00) 5. Independent thinking. (ratio:30.00) 6. A cheerful attitude and healthy lifestyle. (ratio:5.00) 7. A spirit of teamwork and dedication. (ratio:15.00) 8. A sense of aesthetic appreciation. (ratio:5.00) | | | |

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| Course Introduction | This course explores fixed income securities, covering theoretical foundations, model construction, and practical applications. Topics include bond pricing, yield curve construction, interest rate risk management, credit risk assessment, and derivative fixed income instrument such as interest rate swaps and credit default swaps. |
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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 | To understand the fixed income securities, including their pricing, risk management, and derivative instruments. | Cognitive |

The correspondences of teaching objectives : core competences, essential virtues, teaching methods, and assessment

| No. | Core Competences | Essential Virtues | Teaching Methods | Assessment |
|-----|------------------|-------------------|---------------------|---|
| 1 | ABCDEF | 12345678 | Lecture, Discussion | Testing, Report(including oral and written) |

Course Schedule

| Week | Date | Course Contents | Note |
|------|-----------------------|--|------|
| 1 | 114/02/17 ~ 114/02/23 | Introduction | |
| 2 | 114/02/24 ~ 114/03/02 | Pricing of Bonds | |
| 3 | 114/03/03 ~ 114/03/09 | Measuring Yield | |
| 4 | 114/03/10 ~ 114/03/16 | Bond Price Volatility | |
| 5 | 114/03/17 ~ 114/03/23 | Factors Affecting Bond Yields and the Term Structure of Interest | |

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| 6 | 114/03/24 ~ 114/03/30 | Factors Affecting Bond Yields and the Term Structure of Interest | |
| 7 | 114/03/31 ~ 114/04/06 | Analysis of Bonds with Embedded Options | |
| 8 | 114/04/07 ~ 114/04/13 | Analysis of Bonds with Embedded Options | |
| 9 | 114/04/14 ~ 114/04/20 | Midterm Exam Week | |
| 10 | 114/04/21 ~ 114/04/27 | Credit Risk Modeling | |
| 11 | 114/04/28 ~ 114/05/04 | Credit Risk Modeling | |
| 12 | 114/05/05 ~ 114/05/11 | Bond Portfolio Management Strategies | |
| 13 | 114/05/12 ~ 114/05/18 | Interest-Rate Swaps Forward-Rate Agreements Caps and Floors | |
| 14 | 114/05/19 ~ 114/05/25 | Credit Default Swaps | |
| 15 | 114/05/26 ~ 114/06/01 | Paper Presentation | |
| 16 | 114/06/02 ~ 114/06/08 | Paper Presentation | |
| 17 | 114/06/09 ~ 114/06/15 | Final Exam Week | |
| 18 | 114/06/16 ~ 114/06/22 | Flexible Teaching Week: Generally, no in-person classes; teachers may arrange teaching activities or final assessments, among other options | |
| Key capabilities | | self-directed learning Problem solving | |
| Interdisciplinary | | | |
| Distinctive teaching | | | |
| Course Content | | Logical Thinking | |
| Requirement | | | |

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| Textbooks and Teaching Materials | Using teaching materials from other writers:Textbooks Name of teaching materials: Bond Market, Analysis, and Strategies, by Fabozzi, Frank J., 9th Edition. |
| References | |
| Grading Policy | <p>◆ Attendance : 10.0 % ◆ Mark of Usual : 30.0 % ◆ Midterm Exam : 30.0 %</p> <p>◆ Final Exam : 30.0 %</p> <p>◆ Other () : %</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> |