請尊重智慧財產權,合法影印資料並使用正版教科書。 Please consult Intellectual Property Rights before making a photocopy. Please use the textbook of copyrighted edition.

## ②国o支束華大學 教學計劃表 Syllabus

|   | 名稱(中文)<br>me in Chinese                                 | 固定收益證券                       |                                 |             | 學年/學期<br>Academic Year/Sem            | 110/2 |      |  |  |  |
|---|---|------------------------------|---------------------------------|-------------|---------------------------------------|-------|------|--|--|--|
|   | 課程名稱(英文)<br>rse Name in English Fixed-Income Securities |                              |                                 |             |                                       |       |      |  |  |  |
| 科目代碼<br>Course Code   |   | EC33700                      | 糸級<br>Department 學三 C<br>& Year |             | 開課單位<br>Course-Offering<br>Department |       | 經濟學系 |  |  |  |
|   | 修別<br>Type  | 學程 Program                   | 學分數/時<br>Credit(s)/Hou          |             | .0/3.0                                |       |      |  |  |  |
| 授課教師<br>Instructor  |   | /李同龢                         |                                 |             |                                       |       |      |  |  |  |
|   | 修課程<br>equisite   | /#統計學(一)                     |                                 |             |                                       |       |      |  |  |  |
| 課程描述 Course Description   |   |                              |                                 |             |                                       |       |      |  |  |  |
| This class intends to lay a solid foundation for students in fixed-income securities and its derivatives. I will walk you through this textbook. Understanding bond market becomes a very important knowledge base for modern decision maker, especially, after the US financial crisis that mainly was caused by fixed income derivatives. |   |                              |                                 |             |                                       |       |      |  |  |  |
| 課程目標 Course Objectives  |   |                              |                                 |             |                                       |       |      |  |  |  |
| 為一債券市場及其工具基礎之課程,介紹債券市場及其工具、如何評價債券及其相關衍<br>生之利率金融商品。   |   |                              |                                 |             |                                       |       |      |  |  |  |
| 圖示說明Illustration :● 高度相關 Highly correlated ○中度相關 Moderately correlated  |   |                              |                                 |             |                                       |       |      |  |  |  |
| 授課進度表 Teaching Schedule & Content   |   |                              |                                 |             |                                       |       |      |  |  |  |
| 週次Week  |   | 內容                           | f                               | 着 註 Remarks |                                       |       |      |  |  |  |
| 1   | Introduction  | troduction                   |                                 |             |                                       |       |      |  |  |  |
| 2   | time value and bond valuation Ch 2                      |                              |                                 |             |                                       |       |      |  |  |  |
| 3   | returns and risk Ch 3 and 4                             |                              |                                 |             |                                       |       |      |  |  |  |
| 4   | yield curve Ch5   |                              |                                 |             |                                       |       |      |  |  |  |
| 5   | Taiwan bond markets, Ch 6 and 7                         |                              |                                 |             |                                       |       |      |  |  |  |
| 6   | convertible bonds and Ch. 9                             |                              |                                 |             |                                       |       |      |  |  |  |
| 7   | preferred shares Ch10                                   |                              |                                 |             |                                       |       |      |  |  |  |
| 8   | No class, national holiday,                             |                              |                                 |             |                                       |       |      |  |  |  |
| 9   | 期中考試週 Midterm Exam                                      |                              |                                 |             |                                       |       |      |  |  |  |
| 10  | passive bond portfolio Ch 11                            |                              |                                 |             |                                       |       |      |  |  |  |
| 11  | active bond portfolio, Ch 12                            |                              |                                 |             |                                       |       |      |  |  |  |
| 12  | bond performance valuation, Ch 13                       |                              |                                 |             |                                       |       |      |  |  |  |
| 13  | interest rates futures Ch 14                            |                              |                                 |             |                                       |       |      |  |  |  |
| 14  |   | Interest rate options, Ch 15 |                                 |             |                                       |       |      |  |  |  |
| 15  | interest rate swap and other derivatives, Ch 16         |                              |                                 |             |                                       |       |      |  |  |  |

| 16   | value at risk, Ch 17                    |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|
| 17   | securitization (supplemental materials) |  |  |  |  |  |  |
| 18   | 期末考試週 Final Exam                        |  |  |  |  |  |  |
| 教 學 策 略 Teaching Strategies  |   |  |  |  |  |  |  |
| ✓ 課堂講授 Lecture 分組討論Group Discussion 参觀實習 Field Trip  |   |  |  |  |  |  |  |
| 其他Miscellaneous:   |   |  |  |  |  |  |  |
| 教 學 創 新 自 評 Teaching Self-Evaluation   |   |  |  |  |  |  |  |
| 創新教學(Innovative Teaching)  |   |  |  |  |  |  |  |
| □問題導向學習(PBL)   |   |  |  |  |  |  |  |
| ── 翻轉教室 Flipped Classroom ── 磨課師 Moocs   |   |  |  |  |  |  |  |
| 社會責任(Social Responsibility)  |   |  |  |  |  |  |  |
| □ 在地實踐Community Practice □ 産學合作 Industy-Academia Cooperation   |   |  |  |  |  |  |  |
| 跨域合作(Transdisciplinary Projects)   |   |  |  |  |  |  |  |
| □跨界教學Transdisciplinary Teaching □跨院系教學Inter-collegiate Teaching  |   |  |  |  |  |  |  |
| 業師合授 Courses Co-taught with Industry Practitioners   |   |  |  |  |  |  |  |
| To pass this course, you must take all the quizzes and exams such as midterm and final exams. Missing any of those without any official excuses will result in failing this class. |   |  |  |  |  |  |  |
|  |   |  |  |  |  |  |  |

| 學期成績計算及多元評量方式 Grading & Assessments  |                    |                    |          |          |          |          |          |          |    |
|--|--------------------|--------------------|----------|----------|----------|----------|----------|----------|----|
| 配分項目   | 配分比例<br>Percentage | 多元評量方式 Assessments |          |          |          |          |          |          |    |
| Items  |                    | 測驗<br>會考           | 實作<br>觀察 | 口頭<br>發表 | 專題<br>研究 | 創作<br>展演 | 卷宗<br>評量 | 證照<br>檢定 | 其他 |
| 平時成績 General<br>Performance  | 10%                |                    | ~        |          |          |          |          |          |    |
| 期中考成績 Midterm Exam   | 35%                | ~                  |          |          |          |          |          |          |    |
| 期末考成績 Final Exam   | 35%                | ~                  |          |          |          |          |          |          |    |
| 作業成績 Homework and/or<br>Assignments  | 20%                | ~                  | ~        |          |          |          |          |          |    |
| 其他 Miscellaneous<br>()   |                    |                    |          |          |          |          |          |          |    |
| 評量方式補充說明<br>Grading & Assessments Supplemental instructions  |                    |                    |          |          |          |          |          |          |    |
| Class etiquette: Experience indicates that students with regular attendance of class have higher grades than those who did not. Followings are basic class etiquette. Turn off your mobile phone |                    |                    |          |          |          |          |          |          |    |

grades than those who did not. Followings are basic class etiquette. Turn off your mobile phone before class. No iPad or laptop computer is allowed to use during lecture, unless with permission from me. No loud chatting allowed in the class. Having food or drink in the class is not encouraged. Any irrational behavior in the class will not be tolerated. Any violation of the class etiquette will be penalized by reduction in your grade.

Three strikes, you' re out: If you missed three classes without any official excuses, your semester grade will be D or below D. You need an official document for not attending class. No oral or email excuses will be accepted. Therefore, please do not email me that you could not come to class, just give me the official document.

To pass this class, you have to participate all the quizzes, midterm and final exams. Without any official excuses, missing any of those quizzes or exams will resulting in failing this class for sure.

## 教科書與參考書目(書名、作者、書局、代理商、說明)

Textbook & Other References (Title, Author, Publisher, Agents, Remarks, etc.)

Required Textbook: 固定收益證券,債券市場與投資策略,謝劍平著,第四版,智勝文化

Other readings: Other readings includes articles from the following news sources which are very helpful for understanding the practice side of fixed income securities and its derivatives: Wall Street Journal, Financial Times, Business Week, 經濟日報,工商日報 Any current news in the fixed-income securities markets will be discussed in the class and you are responsible for any such items on exams.

課程教材網址(含線上教學資訊,教師個人網址請列位於本校內之網址) Teaching Aids & Teacher's Website(Including online teaching information. Personal website can be listed here.)

其他補充說明(Supplemental instructions)