



**LEE KONG CHIAN SCHOOL OF BUSINESS**  
Year 2008/09Term 3A

**FNCE204 – ANALYSIS OF FIXED INCOME INVESTMENTS**

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**COURSE DESCRIPTION**

This course examines in detail the fixed income securities (non-equity) market, which comprises instruments such as treasury (government), municipal, and corporate bonds. Instruments such as convertible bonds and various forms of securitizations will also be covered.

The course is designed to help you understand the aspects of modern theory of finance and how these developments can be translated into prudent practices.

The course begins with the overview of the fixed income market (global, regional and local); the growing importance and influence as an instrument for financing for corporations/institutions, governments and supranational agencies; and definition/characteristics of a fixed income instrument. We will then delve into the basics of bond valuation (fixed income mathematics) and explore the relationship between bond prices, yields, and risks (bond price volatilities). With this foundation, we will examine bond volatility and the concept of duration. Next, we shall discuss the determinants of the general level of interest rates and the term structure of interest rates, as well as explore the relationship between the term structure and bond prices in general.

In the latter part of the course, we will explore the concept of risk management and then examine specific instruments such as government bonds, securitizations (such as Mortgage-Backed (MBS), Asset-Backed Securities (ABS) and Collateralized Debt Obligations (CDO)), and other fixed income instruments.

In addition to the theories of fixed income, the course also aims to provide participants with an understand of how investment banks originate, underwrite and trade these instruments, as well as how these origination efforts relate to the sales and marketing of other products and services sold to clients.

## **PREREQUISITES**

Please refer to the Course Catalogue on OASIS for the most updated list of pre-requisites / co-requisites for this particular course.

Do note that if this course has a co-requisite, it means that the course has to be taken together with another course. Dropping one course during BOSS bidding would result in both courses being dropped at the same time.

## **RECOMMENDED TEXT AND READINGS**

Author: Frank J. Fabozzi

Title: “Bond Markets, Analysis and Strategies” (Int’l Edition) – 6th Edition

Publisher: Prentice Hall

ISBN 0-13-243626-4

Additional readings will be assigned. Students are expected to keep abreast of current developments in the Asia-Pacific region by reading leading business dailies/weeklies like the Asian Wall Street Journal, Far Eastern Economic Review, The Economist, Business Times and Business Week.

## **ASSESSMENT METHOD**

Class Quiz: 25%

Final Quiz: 30%

Group Project/Presentation: 35%

Class Participation: 15%

Format for the quizzes and exams will be open book/notes.

The Group Project will be focused on discovering the different segments of the bonds market globally. Topics and subject matter covered will be flexible and would be dependent on the interest of the group. Each group will be given 15 minutes to present their findings. There will be a 5-minute Q&A session. The objective of the project is learning through each other’s research effort.

## **OPTIONAL ASSIGNMENT**

There is an assignment on immunization that is both interesting and useful to do. I am happy to provide guidance to anyone who is keen to take a crack at the assignment. However, **this will not form part of the course grades.**

## **COURSE METHODS**

The course will be taught utilizing a combination of practice questions from the end of text, case studies and quizzes to help internalize concepts learnt.

At the same time, references will be made to real life examples to ensure the connection to the real world.**CALCULATOR**

Any financial calculator with NPV and IRR function keys. Examples include: Hewlett Parkard 17B-II, 12C, 10B and Texas Instruments BAI PLUS.

Despite the pervasive use of Excel, the financial services industry still uses these calculators. As such, it pays to invest in one of these.

These will be used extensively in class and is the only thing you will be allowed in the exams (**since no laptops are allowed in quizzes and final exams**).

## CLASS SCHEDULE

| Session | Topic and Assignments  | Readings                               |
|---------|--|--|
| 1       | Introduction to Fixed Income Securities  | Chapter 1 & 7<br>(relevant parts only) |
| 2       | Determinants of the General Level of Interest Rates<br>Term Structure of Interest Rates  | Chapter 5                              |
| 3       | Concept of Risk and Credit Ratings<br>Credit Enhancement<br>Non-conventional bonds   | Chapter 7                              |
| 4       | Primary Market Issues including, Bond Refinancing, Debt Origination and Underwriting<br><br>External speaker: Bill Streeter<br>Managing Director & Head of Global Infrastructure & Project Finance Asia Pacific<br>Fitch Ratings | Chapter 7                              |
| 5       | Fixed Income Mathematics   | Chapters 2 & 3                         |
| 6       | Bond Price Volatility I: PVBP & YV of a Price Change & Hedging   | Chapter 4                              |
| 7       | Bond Price Volatility II: Duration, Immunization and Convexity   | Chapter 4                              |
| 8       | Preparation for class quiz (no class session)  |  |
| 9       | * Short class quiz I (only until topics covered in session 6) – 25% of the total grade<br><br>Special Topics – Bloomberg as an analytical tool in fixed income & fixed income trading  | Session notes                          |
| 10      | Analysis of Bonds With Embedded Options<br>Analysis of Convertible Bonds   | Chapter 17<br>Chapter 19               |

|    |  |  |
|----|--|--|
| 11 | <p>Special Topic – Risk Management For Credit Risk</p> <p>Special Topic - Securitizations<br/>(Mortgage-Backed (MBS), Asset-Backed Securities (ABS) and Collateralized Debt Obligations (CDO))</p>                   | <p>Selective parts of Chapter 29</p> <p>Selective parts of Chapters 10 to 15</p> |
| 12 | <p>Buffer...to catch up with the topics... (we shall see if we need this slot. Else, this free slot will be for your group presentation and final quiz preps)</p>  |  |
| 13 | <p>Group presentations (for all groups)</p> <p>As agreed in class, all presentations will be done during this session. It will be equivalent to two sessions. Hence please be prepared to stay till about 7pm...</p> |  |
| 14 | <p>Final quiz – 30% of the total grade (2 hours)</p>   |  |

This comprehensive textbook on bonds takes a practical real-world approach to the subject. It includes a detailed discussion of each type of bond including a wide range of products. The text features comprehensive discussion of not only the instruments, but their investment characteristics, the state-of-the art technology for valuing them, and portfolio strategies for using them. Categories: Economy. Year: 2000. Edition: 4th. Publisher: This downloaded Bonds, Markets, Analysis and Strategies by Fabozzi FJ, and not the one here. 18 February 2018 (02:25). Post a Review. You can write a book review and share your experiences. Other readers will always be interested in your opinion of the books you've read. Financial Time-Series.pdf [170 KB] ARI KIEV Trading To Win The Psychology Of Mastering The Markets - WILEY.pdf [2 MB] Ari Kiev - 1998 - Trading To Win - The Psychology Of Mastering The Markets - Isbn 0471248428 - 26.pdf[2 MB] Aust Vs Int'l Equity Portfolio Journal.pdf [256 KB] Bambi Holzer-Getting Yours - It's Not Too Late To Have The Wealth You.Â Illegal Insider Trading In Dealer And Specialist Markets - Evidenc.pdf[496 KB] For Dummies Investing Online For Dummies 5th Edition.pdf [7 MB] Foucault And Kadan-Limit Order Book As A Market ForÂ Market For Liquidity.pdf [567 KB] FRANK J FABOZZI-BOND MARKETS, ANALYSIS AND STRATEGIES.pdf [34 MB] FRANK J Out of Stock. Bond Markets, Analysis, and Strategies (6th edition). Find similar editions. Some editions change by only 10%.Â Target Market: Fixed Income Securities Courses or Bond Markets Courses Fabozzi's, Bond Markets, prepares students to analyze the the bond market and use the tools for managing bond portfolios. Many texts on the market are far too theoretical, Fabozzi is quite the opposite. This text covers Bonds, analytical techniques for valuing bonds and quantifying their exposure to changes in interest rates, and portfolio strategies for achieving a client's objectives. Back to top. Rent Bond Markets, Analysis, and Strategies 6th edition (978-0131986435) today, or search our site for other textbooks by