

## **ECON300008**

### **Advanced Bond Markets Analysis**

**Program** : Global Summer Program

**Term** : Summer 2024

**Duration** : June 24, 2024 - July 19, 2024

**Contact Hours** : 54

**Fudan Credits** : 3

#### **Teaching Modes and Locations:**

Modes: Offline + Online

Location: Offline at Fudan University / Online with no specific place

#### **Course Description:**

This unit covers the concepts required for investment in fixed income securities, managing bond portfolios and understanding debt markets. Topics covered include duration, convexity, interest rate risk, bond volatility and the term structure of interest rates. The more complex types of debt securities studied include mortgage backed securities, corporate bonds with embedded options such as convertible bonds and interest rate derivatives.

#### **Course Goals:**

1. Understand the fundamental principles of bond markets and fixed-income securities..
2. Learn various analytical tools and techniques for evaluating bond investments.
3. Develop proficiency in bond valuation, yield curve analysis, and interest rate risk management.
4. Gain insights into different bond market strategies and their applications in portfolio management.

### Prerequisites:

No prerequisites.

### References:

Fabozzi, F.J. and Fabozzi, F.A. (2021), Bond Markets, Analysis, and Strategies, 10th edition, MIT Press, ISBN 9780262046275

### Schedule:

Lecture	Date	Topic
1	June 24 - July 19, 2024	Introduction to Bond Markets
2		Bond Pricing and Yield Measures
3		Yield Curve Analysis
4		Bond Portfolio Management
5		Mortgage-Backed Securities
6		Asset-Backed Securities
7		Interest Rate Models
8		Analysis of Convertible Bonds
9		Credit Risk Modeling
10		Bond Rating and Credit Spread Analysis
11		Fixed-Income Derivatives
12		Final Exam / Thesis

### Assessment:

Assessment Task	Weighting
1. Attendance & Participation	20%
2. Assignments & Presentation	30%
3. Final Exam / Thesis	50%

### Grading Scale:

Grades	A	A-	B+	B	B-	C+	C	C-	D	F
100	90-100	85-89	82-84	78-81	75-77	71-74	66-70	62-65	60-61	<60

The instructor will use the grading system as applied by Fudan University.

### Credit Point Value:

Component	Contact Hours	Fudan Credits
Academic Lectures	44	3
Thesis/Exam	4	
Field Trip	3	
Seminar	3	
Total	54	

At Fudan University, the duration of one contact hour is 45 minutes, and 18 contact hours are equivalent to 1 credit.

**Note: The document is subject to change at the discretion of School of Management, Fudan University.**