

RISK MANAGEMENT

30 Hours

05 to 09 SEPTEMBRE 2018

OBJECTIVES

The first part of this module will seek to develop a good grasp of methods of valuing interest-bearing instruments, notably financial liabilities, as well as financial instruments at maturity and options. On the basis of valuation, the lessons learned will extend to the measurement and principles of market risk management, including foreign currency risk.

Beyond the foreign exchange rate and currency dimensions, this module complements Module 5 on "Asset Management" because financial instruments at maturity and options find an immediate application in asset management. Module 8 also complements Module 7 on "Bank Management", which includes sessions dedicated to credit and liquidity risk.

The course is divided between theoretical parts, punctuated by applications, and practical cases.

After successfully completing this module, students will have acquired concepts which will enable them to:

- Manage the valuation methods of interest-bearing instruments (financial liabilities, monetary instruments)
- Measure the interest rate risk of a bond portfolio and a foreign exchange position, and implement a hedging strategy for these risks.
- Value futures derivatives. Master the concepts necessary for the valuation and management of options
- Use these tools to apply hedging strategies for financial management (asset-liability) and asset management.

CONTENT

- Cash-flows and discounted cash flows
- Valuation of interest-bearing instruments and financial liabilities
- Measurement and management of foreign exchange rate risks
- Structural analysis by currency rate terms
- Foreign exchange risk
- Options and their valuation
- Optional strategies for the management of financial risks
- Non-optional derivative instruments



Olivier Brandouy
Associate Professor
Université de
Bordeaux
IAE de Paris
Sorbonne Business
School

LECTURER

Director of training programme, he conducts research and training in finance on topics such as Asset Management, Microstructure, Risk Management and Computational Finance. He is also in charge of a research team and member of the National University Council.

CONTACT

Analysis Institute of Management (AIM)

Rue de l'institut Ebène Mauritius

T +230 202 00 55

E masterfinance@analysis.im