

COURSES TAUGHT:

- Asset pricing
- Corporate Finance
- Information Technology for Finance II
- Financial Econometrics
- Economics For Finance
- Asset management and Trading
- Derivatives
- Risk Management
- Psychology for finance
- Financial Computing

SKILLS:

- Modeling and computational tools to price financial assets
- Understanding of financial markets functioning
- Identify and manage operational and financial risks
- Flexibility and team work

CAREER OPPORTUNITIES:

- Risk analysis, Brokerage, Asset management, Trading, Middle Office, design of structured products, private equity, consulting.
- Preferred sectors: Corporate and Investment banks, Investment Companies, Insurance Companies, Brokerage Houses, Investment Consulting Firms...

The Master “Financial Markets and Risk Evaluation” offers theoretical and practical insights on financial markets.

Theoretical insights are all the more needed after the great financial crisis of 2008 that has shown that blind applications of valuation and risk management models could prove unproductive. These theoretical insights are acquired by students with the instruction offered by world-class academics who have contributed to build them. Practical insights are also offered to ensure that students are accustomed to the functioning and vocabulary of financial markets, the strategies of investors and the pricing of financial assets, with a particular emphasis on risk measurement and evaluation.

The content and teaching on this Master is provided by a team of highly reputed professors, with international teaching experience at such prestigious institutions as Princeton University, University of Warwick, University of Oxford, Georgia State University, HEC Paris, University of California Santa Barbara, New York University, Carnegie Mellon University, and the Wharton School. In addition, numerous courses are taught by professionals from multinational firms and financial institutions whose expertise makes this a truly exceptional programme.

To ensure a smooth transition into their future career, students in the Master have access to a dedicated computer room, equipped with some of the leading software used in business practice (@Risk, SAS, SAP, Business Objects, etc.).

The Master welcomes students with management, economics and engineering backgrounds. Students come mainly from the Master 1 Finance, Master 1 TSE, and INSA engineering school. It is possible to complete the entire programme in English. At the end of the programme, students will undertake a compulsory internship in a company during 6 months.

This Master is managed by TSM and grants TSE and TSM degrees.

Sophie Moinas – *Professor of Finance at TSM and TSE researcher, Programme Director*



Juan David Gomez

M1 Economics - M2 Financial Markets and Risk Evaluation - Currently:
Research Fellow at Inter-American Development Bank

“The FIRE master is a great programme. It has the perfect balance between theoretical and applied finances, including useful tools in the industry as VBA programming and Excel techniques. Another strong point about it, is that professors come from both academia and the financial industry, making the programme very appealing to someone that wants to become a practitioner with a strong technical background. I joined the programme after doing the Master 1 in Economics at the TSE and would definitively recommend the programme.”



Stéphane Villeneuve

TSE Researcher

“The purpose of the lecture “Arbitrage and fixed income market” is to give a comprehensive introduction of the arbitrage theory of financial derivatives in a mathematical rigorous way in both discrete and continuous-time models (Cox Ross and Rubinstein, Black and Scholes, Heath Jarrow and Morton).

Moreover, the lecture will study the pricing and hedging of fixed-income derivatives in the standard interest-rate models”.