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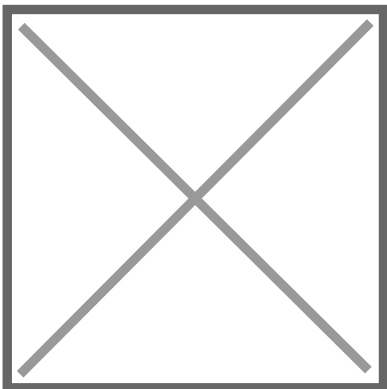
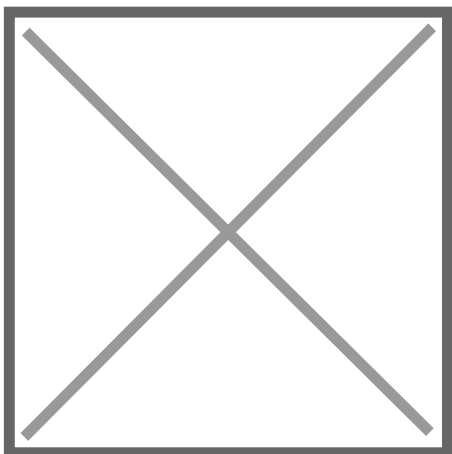
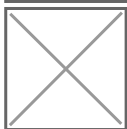
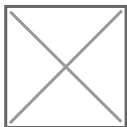
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M2 Risk and Asset Management (GRA)



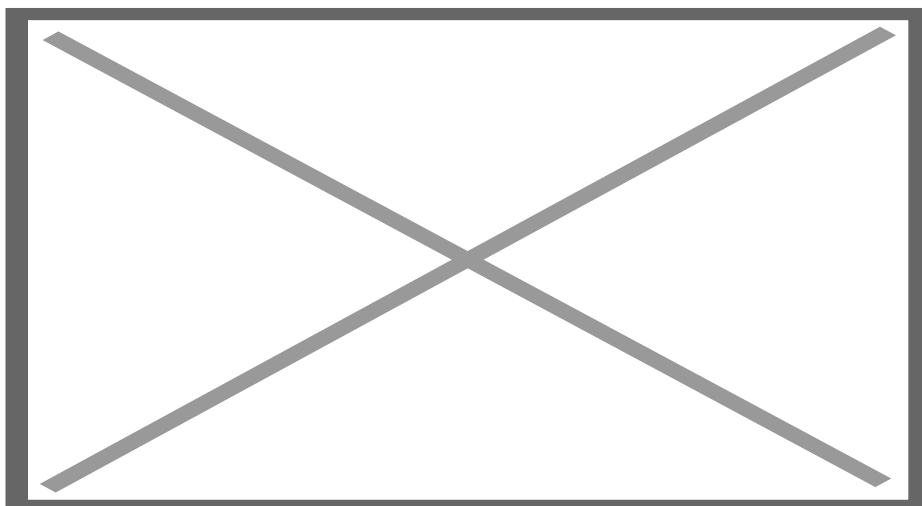
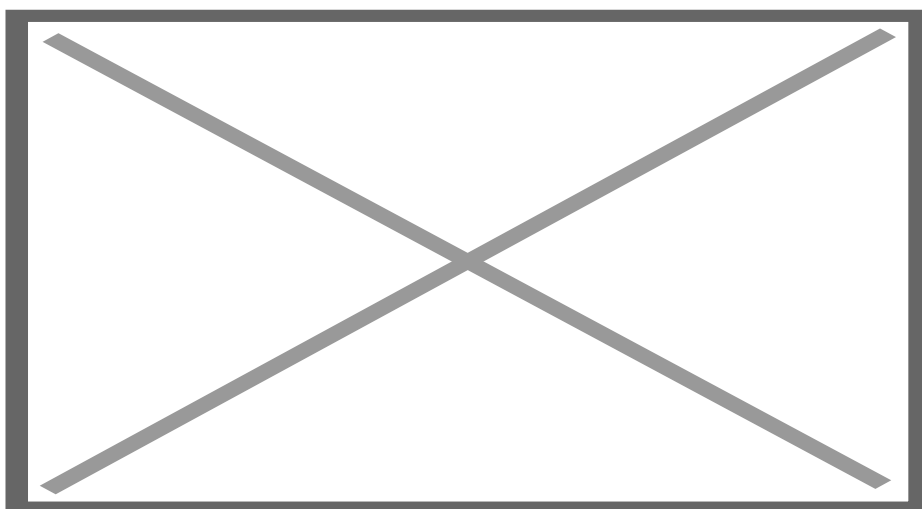
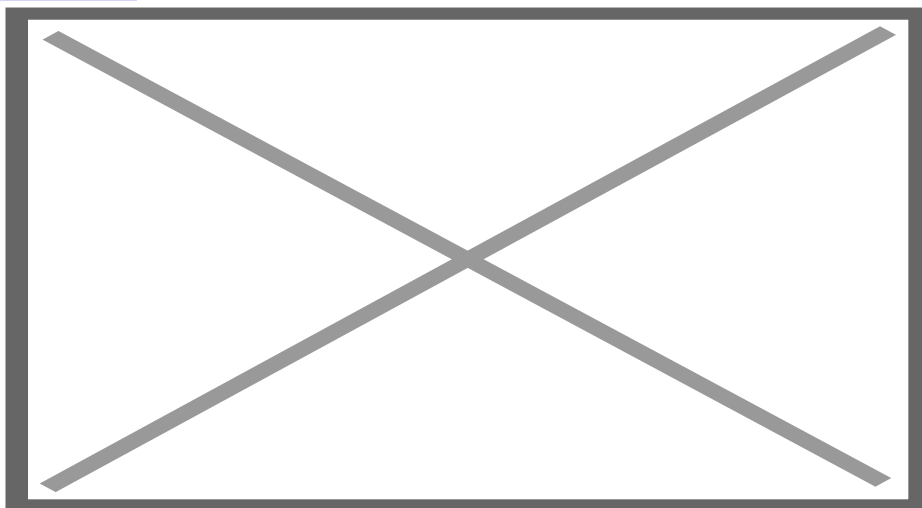
Master's degree
Specialisation Finance
Enrolment type
Full-time academic programmes
Language(s) of instruction
English French

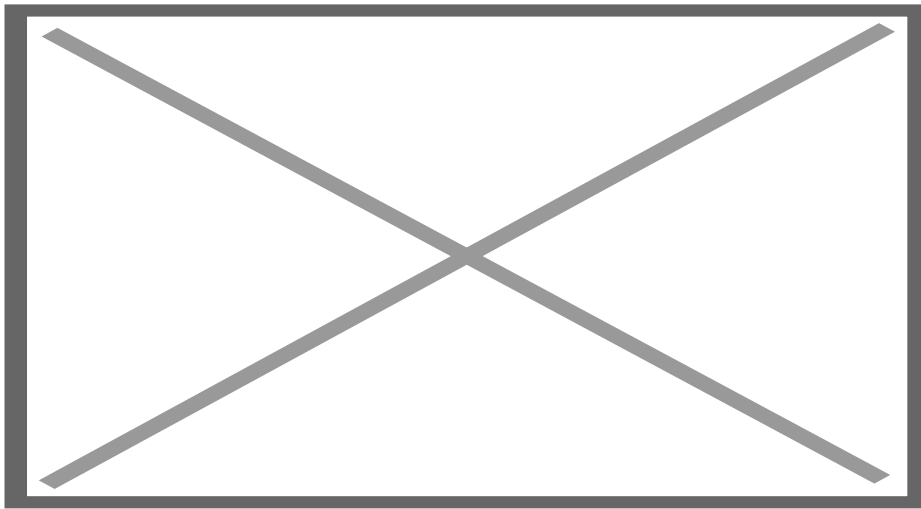
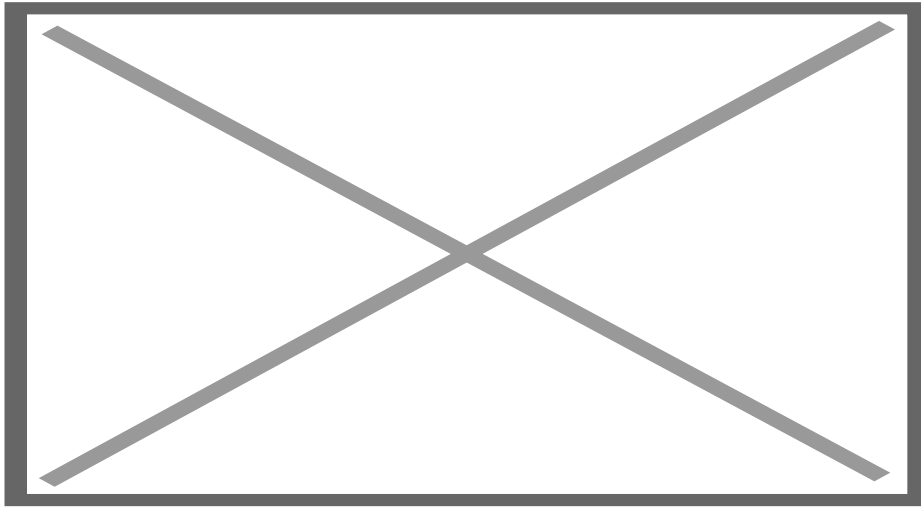
As part of the Finance Master program of the University of Paris-Saclay, this course enables students to master the fundamental concepts and techniques of risk and asset management. The Risk and Asset Management M2 course focuses on three fields: financial engineering, programming and quantitative techniques.

End-of-year internship (associated with a master thesis of the internship)

[Télécharger la fiche détaillée](#)

[Apply Now](#)





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Information

- [Overview](#)
- [Application requirements](#)
- [Schedule](#)

Présentation

Objectives

As part of the Master of Finance program at the Graduate School of Economics & Management, Université Paris-Saclay, this course allows students to master the fundamental concepts and techniques of risk and asset management. The M2 Risk and Asset Management course focuses on three themes: financial engineering, programming and quantitative techniques. The course provides students with the operational skills and expertise required for high-level positions in banking, insurance and asset management. The course balances theoretical knowledge with operational skills, notably through appropriate instruction in computer science (VBA, R, Python, etc.) and quantitative methods used in risk and asset management.

Admission

Admission Route

Economics
Gestion
Mathématiques

Capacity

Available Places

25

Target Audience and Entry Requirements

Knowledge (BA+M1) of economics, management and mathematics.
English minimum level B2, French minimum level B1.

Période(s) de candidature

Inception Platform

From 15/05/2026 to 15/06/2026

Supporting documents

Compulsory supporting documents

Copy diplomas.

Copy of identity document.

Motivation letter.

TOEIC.

or an equivalent test result.

All transcripts of the years / semesters validated since the high school diploma at the date of application.

All past grades should appear for each year of study

Certificate of English level.

Certificate of French (compulsory for non-French speakers).

Curriculum Vitae.

Detailed description and hourly volume of courses taken since the beginning of the university program.

Description of courses during the last 2 years

Additional supporting documents

TOEFL.

Certificate of English level (compulsory for non-English speakers).

VAP file (obligatory for all persons requesting a valuation of the assets to enter the diploma).

Document indicating the list of local M2 choices available here : <https://urlz.fr/i3Lo>.

Supporting documents :

- Residence permit stating the country of residence of the first country
- Or receipt of request stating the country of first asylum
- Or document from the UNHCR granting refugee status
- Or receipt of refugee status request delivered in France
- Or residence permit stating the refugee status delivered in France
- Or document stating subsidiary protection in France or abroad
- Or document stating temporary protection in France or abroad.

Programme

BCC 5 - Mémoire et professionnalisation

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distance learning course
Mémoire Gestion des risques et des actifs	15	Annualisé							

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distance learning
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Mémoire Gestion des risques et des actifs

ECTS : 15

Semester: Annualisé

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

BCC2 -Techniques quantitatives financières

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distance learning
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------	-------------------

[Life and non-life insurance. Associated financial products](#)

3	Semestre 1	36
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Life and non-life insurance. Associated financial products

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 36

Language(s) of instruction

Anglais

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Méthodes d'évaluation des actions](#)

2	Semestre 1	12
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Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	discovery/practical class
■									

Méthodes d'évaluation des actions

ECTS : 2

Semester: Semestre 1

Detail

Lecture: 12

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Statistical](#)

[and](#)

[Numerical](#)

[Method in](#)

[Python](#)

■

2	Semestre	18
	1	

Statistical and Numerical Method in Python

ECTS : 2

Semester: Semestre 1

Detail

Lecture: 18

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Cours de M1 Finance ou equivalent

Cours d'Introduction a la programmation

Type of assessment

Evaluation Continue non Intégrale

[Risk](#)

[Management](#)

4	Semestre	36	15
	1		

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dis
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------	-----

Risk Management

ECTS : 4

Semester: Semestre 1

Detail

Lecture: 36

Directed study: 15

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

Cours de M1 Finance ou équivalent

Type of assessment

Evaluation Continue non Intégrale

[Gestion des actifs](#) 3 Semestre 1 24

Gestion des actifs

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 24

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Fixed Income Securities](#) 2 Annualisé 14 6.5

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	di
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Fixed Income Securities

ECTS : 2

Semester: Annualisé

Detail

Lecture: 14

Directed study: 6.5

Language(s) of instruction

Anglais

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

BCC1 - Socle 1 économie-mathématiques-anglais

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	di
Anglais financier	2	Semestre 1	12	12					c

Anglais financier

ECTS : 2

Semester: Semestre 1

Detail

Lecture: 12

Directed study: 12

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

Calcul stochastique	3	Semestre 1	21	0
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Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	di
■									c

Calcul stochastique

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 21

Directed study: 0

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Cours de M1 Finance ou equivalent

Type of assessment

Evaluation Continue non Intégrale

Financial Econometrics	3	Semestre 1	21
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Financial Econometrics

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 21

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

Cours de M1 Introduction a l'Econometrie de la Finance

Type of assessment

Evaluation Continue non Intégrale

Macro-Financial Dynamics	3	Semestre 1	24
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Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distance learning
■									

Macro-Financial Dynamics

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 24

Language(s) of instruction

Anglais

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

BCC3 -Socle 2 économie-anglais

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distance learning
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Asset Pricing	2	Semestre 2	12						
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Asset Pricing

ECTS : 2

Semester: Semestre 2

Detail

Lecture: 12

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

Undergraduate courses in macroeconomics, financial economics and econometrics.

Type of assessment

Evaluation Continue non Intégrale

Systemic Risk	3	Semestre 2	24
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Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distance learning
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Systemic Risk

ECTS : 3

Semester: Semestre 2

Detail

Lecture: 24

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

Basic knowledge of financial markets dynamics.

Type of assessment

Evaluation Continue non Intégrale

Anglais TOIEC	2	Semestre 2	12	12
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Anglais TOIEC

ECTS : 2

Semester: Semestre 2

Detail

Lecture: 12

Directed study: 12

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

BCC4 -Finance

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distance learning
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Blockchain and Tokenization	2	Semestre 2	18						
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Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dis
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------	-----

Blockchain and Tokenization

ECTS : 2

Semester: Semestre 2

Detail

Lecture: 18

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Interest Rate](#)

[Modeling,](#)

[Structured](#)

[Products and](#)

[Portfolio](#)

[Strategies](#)

3	Semestre	47	0
	2		

Interest Rate Modeling, Structured Products and Portfolio Strategies

ECTS : 3

Semester: Semestre 2

Detail

Lecture: 47

Directed study: 0

Language(s) of instruction

Anglais

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Machine](#)

[Learning in](#)

[Python](#)

3	Semestre	42
	2	



Machine Learning in Python

ECTS : 3
 Semester: Semestre 2
 Detail
 Lecture: 42
 Language(s) of instruction
 Anglais
 Remote teaching
 non
 Prerequisites

M1 finance

Type of assessment
 Evaluation Continue non Intégrale

Portfolio	3	Semestre	18
Management	2		



Portfolio Management

ECTS : 3
 Semester: Semestre 2
 Detail
 Lecture: 18
 Language(s) of instruction
 Anglais
 Remote teaching
 non
 Prerequisites

M1 Finance

Type of assessment
 Evaluation Continue non Intégrale

Sustainable			
Finance and		Semestre	24
Advanced	3	2	
Asset			
Management			

Sustainable Finance and Advanced Asset Management

ECTS : 3

Semester: Semestre 2

Detail

Lecture: 24

Language(s) of instruction

Anglais

Remote teaching

non

Prerequisites

Cours de M1 Finance ou équivalent et Cours du S3 du M2-GRA

Type of assessment

Evaluation Continue non Intégrale

Teaching Location(s)

EVRY

Contact

- **Jérôme HÉRICOURT**

<http://www.universite-paris-saclay.fr/formation/master/finance/m2-gestion-des-risques-et-des-actifs-gra>