

**MASTER 203 - Financial Markets 2019 - 2020**

Courses	Lecturer	H	ECTS	Type	Level
<b>Semester I (September-January)</b>			30	ECTS	
Investments & Financial Markets	F. Riva (Dauphine)	36	3	Core Fund.	M1
Basis in Corporate Finance	T. Nefedova (Dauphine)	21	3	Core Fund.	
International Finance	E. Passari (Dauphine)	24	3	Core Fund.	
Fixed Income I	A. Levy-Rueff (ExotikEquation)	24	3	Core Fund.	
Derivatives	A. Kalife (Axa Group Risk Management)	24	3	Core Fund.	
Financial Econometrics I	G. Le Fol (Dauphine)	24	3	Core Fund.	
Deriv. Pricing & Sto. Calculus I	Z. Ren (Dauphine)	24	3	Core Fund.	
VBA Programming	K. Amouh (Natixis)	24	3	Core Fund.	
Ethics, Prof. Stand. & Compliance	S. Vadon-David (ACF), C. Porzio, P. Nardone, N. Raymond (CA)	24	3	Core Fund.	
Training for Interviews in English	H. Ensargueix (HSX Consulting)	18	3	Core Fund.	
Careers in Finance	N. Tortel (Candriam), G. Le Fol (Dauphine)	15	0	Core Fund.	
<b>Semester II (January-June)</b>			30		
Internship	or QTEM Exchange semester + intenship		6		
Master Thesis			24		

<b>Semester III (September- January)</b>			21	ECTS		
Financial Econometrics II	G. Monarcha (Orion)	24	3	Core Adv.	M2	
Financial Markets & the Economy	F. Letondu (Société Générale), A. Durré (Goldman Sachs)	21	3	Core Adv.		
Risk Management	L. Dahan (CA-CIB)/X. Bocher (CA-CIB)	30	3	Core Adv.		
Applied Time Series	S. Benoit (Dauphine)	24	3	Core Adv.		
Deriv. Pricing & Sto. Calculus II	P.Gassiat (Dauphine)	24	6	Core Adv.		
Python-Programming	M. Sebbah (Société Générale)	24	3	Core Adv.		
<b>Semester III (September- January)</b>			18	ECTS		
$\alpha$ in Quant. Invest. Strategies	T. Bechu (LOIM), S. Botbol (Comgest), B. Perin (La Banque Postale)	30	6	Elective		
NRJ future: econ, geo & risk persp	G. Leenhardt (Mercuria)	21	3	Elective		
C++-Programming	J. Mabilie (QuantStack)	21	3	Elective		
Mergers & Acquisitions	J.-L. Duverney-Guichard (Ernst & Young)	15	3	Elective		
Regulation and Financial Markets	V. Le Leslé (JP Morgan)	21	3	Elective		
<b>Semester IV (January-April)</b>			15	ECTS		
Big Data & Machine learning in Finance	T. Vienne (Natixis)	24	3	Core Adv.		
Commodities	B. Guillemot (SMILE Investment solutions)	24	3	Core Adv.		
Credit Risk	F. Astic (Moody's NY)/O. Toutain (BdF)	30	3	Core Adv.		
Fixed Income II	H. Agouzoul (NBAD)	24	3	Core Adv.		
Energy Derivatives	C. Alasseur & M. Ringeisen (EDF) (EDF)	24	3	Core Adv.		
<b>Semester IV (January-April)</b>			27	ECTS		
Behavioral Finance	O. Spalt (Lugano)/A. Manconi(Tilburg Univ.)	21	3	Elective		
Electronic Markets	G. Le Fol (Dauphine), J. Pu (IEF)	21	3	Elective		
Alternative Finance	O. Toutain (BdF)/M.C. Frunza (Schwarzthald Kapital)	21	3	Elective		
Exotic option and structuring	Z. Redouane (Amundi)	18	3	Elective		
$\beta$ in Quant. Invest. Strategies	A. Gihan (Blackrock), A. Kalife (Axa)	30	6	Elective		
Computational Finance	K. Amouh (Natixis)	21	3	Elective		
Cross-cutting project	TBA		6	Elective		
<b>Internship (April-November)</b>			6			
Internship			6			

<b>2-YEAR Program - 120 ECTS</b>					
Core Fundamental	(M1 courses)		30	ECTS	M1 +
Elective (M2 courses)	(M2 courses)		24	ECTS	
Core Advanced	(M2 courses)		24	ECTS	M2
Free Choice	(regular M2 modules core advanced or electives)		6	ECTS	
Master Thesis & Internships	(M1 + M2)		36	ECTS	

<b>1-YEAR Program - 60 ECTS</b>					
Core Advanced			24	ECTS	M2
Ethics, Prof. Standards & Global Compliance			3	ECTS	
Elective			21	ECTS	
Free Choice (catch-up M1 - Fin. Econo., Stoch. Cal. or FI 1 for 3 ECTS each- or regular M2 modules)			6	ECTS	
Internship			6	ECTS	