Master Finance
Financial econometrics

Responsable	Descriptions	Informations
Jean francois CARPANTIER jean-francois.CARPANTIER@univ-amu.fr	Code : BFICV10C Nature : Domaines : Droit, Économie, Gestion	Composante : Faculté d'Économie et de Gestion Nombre de crédits :

LANGUE(S) D'ENSEIGNEMENT

Anglais

CONTENU

1) Goals:

• Become familiar with the range of risks facing corporations, and how to measure and manage these risks

• Become familiar with the salient features of speculative asset returns

• Apply state-of-the-art risk measurement and risk management techniques

• Critically appraise commercially available risk management systems and contribute to the construction of tailor-made systems

• Understand the current academic and practitioner literature

2) Course outline:

Part 1 – Background

1. Risk Management and Financial Returns
2. Historical Simulations, Value-at-Risk and Expected Shortfall
3. A Primer on Financial Time Series Analysis

Part 2 – Univariate Risk Models

1. Volatility Modeling Using Daily Data
2. Volatility Modeling Using Intraday Data
3. Nonnormal Distributions

Part 3 – Multivariate Risk Models

1. Covariance and Correlation Models
2. Simulating the Term Structure of Risk
3. Distributions and Copulas for Integrated Risk Management

Part 4 – Backtesting and Stress Testing

COMPÉTENCES À ACQUÉRIR

· Understanding, implementation and interpretation of diverse risk modelling approaches

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MODALITÉS D'ORGANISATION

Theory and practice; exercises in Excel and OxMetrics

BIBLIOGRAPHIE, LECTURES RECOMMANDÉES

Elements of Financial Risk Management, Elsevier, ed. 2, Peter F. Christoffersen, 2012

Risk Management and Financial Institutions, Wiley, ed. 3, John Hull, 2012 (option)

Financial Risk Manager Handbook, Wiley, ed. 5, Philippe Jorion, 2009 (option)

PRÉ-REQUIS OBLIGATOIRES

Introductory courses in econometrics and statistics

PRÉREQUIS RECOMMANDÉS

Time series econometrics

VOLUME HORAIRE

- Volume total: 18 heures
- Cours magistraux: 18 heures

CODES APOGÉE

- BFIC11C [ELP]

M3C

Aucune donnée M3C trouvée

POUR PLUS D'INFORMATIONS

[Aller sur le site de l'offre de formation...]

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