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# News release

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## Inquiring minds want to know – Deloitte launches Quantitative Finance Master Classes

**Luxembourg, 5 May 2017** — Quantitative finance is a field of applied mathematics concerned with financial markets. It derives and extends the classic mathematical models to model, understand, and predict events or behavior of the financial world. To assist in better decoding this complex matter, Deloitte Luxembourg recently launched a series of Quantitative Finance Master Classes.

"*Our new Master Classes aim to provide a deeper knowledge of complex and highly technical topics related to quantitative finance*," explains Xavier Zaegel, Partner at Deloitte Luxembourg. "*The idea is to gather interested market professionals and give them the opportunity to dive deeper into this special field, guided by highly qualified professors who normally also hold a subject-related PhD.*"

### First seminar on PRIIPS analytics

The first seminar in March focused on PRIIPS analytics and hosted professionals and experts from the banking, insurance and fund industries. The class addressed and discussed various subjects in the light of quantitative finance, including the technical foundations of the regulation from a theoretical point of view and an analysis of the quantitative part of PRIIPS in the light of both financial theory and regulation.

"*According to the feedback we received, the first edition was a full success. Our participants especially appreciated the detailed 'flavor' of the analytical part of PRIIPS, and more specifically the exploration of particular constraints and challenges lying ahead,*" explains Zaegel.

Four more sessions are planned until November 2017 with the following topics:

- **A close look at Market Value-at-Risk *(18 May 2017)***
  - Challenges
  - Valuation methods
  - Z-spreads
  - Determining credit spreads / Credit spread in structured products

- **Exotic and path-dependent options – Numerical methods (*15 June 2017*)**

- **Pricing Collateral Debt Obligations (CDO's) using different techniques *(28 September 2017)***

- **Liquidity modelling for investment funds – (*16 November 2017)***

Deloitte's Quantitative Master Classes are paid seminars taking place at the Deloitte Villa in Neudorf. Interested market professionals can learn more and register on the Deloitte Luxembourg website at: https://www2.deloitte.com/lu/en/pages/financial-advisory/solutions/deloitte-quantitative-finance-master-classes.html.

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# Les esprits curieux sont en quête de savoir : Deloitte lance des master classes sur la finance quantitative

**Luxembourg, le 5 mai 2017** — La finance quantitative est un domaine des mathématiques appliquées qui s'intéresse aux marchés financiers. Elle approfondit et élargit les modèles mathématiques classiques pour modéliser, comprendre et prévenir des événements ou des comportements du monde financier. Pour faciliter le décodage de cette question complexe, Deloitte Luxembourg a récemment lancé une série de master classes consacrées à la finance quantitative.

« *Nos nouvelles master classes visent à fournir une compréhension approfondie de sujets complexes et hautement techniques se rapportant à la finance quantitative* », explique Xavier Zaegel, Partner au sein de Deloitte Luxembourg. « *L'idée consiste à rassembler des professionnels du marché intéressés et de leur offrir la possibilité de se plonger davantage dans ce domaine en étant aiguillés par des professeurs hautement qualifiés qui, généralement, sont titulaires d'un doctorat lié à la question.* »

## Premier séminaire sur l'analyse des PRIIPS

En mars, le premier séminaire, axé sur l'analyse des PRIIPS, a réuni des professionnels et des experts des secteurs de la banque, des assurances et des fonds. Le cours s'est penché sur différentes thématiques à la lumière de la finance quantitative, notamment les fondements techniques de la réglementation, d'un point de vue théorique, et une analyse de la composante quantitative des PRIIPS à travers le prisme à la fois de la théorie et de la réglementation financières.

« *D'après les commentaires que nous avons reçus, la première édition a été couronnée de succès. Nos participants ont particulièrement apprécié la présentation détaillée de la partie analytique des PRIIPS, et plus spécifiquement l'examen de contraintes particulières et de défis à venir* » ajoute Xavier Zaegel.

D'ici novembre 2017, quatre autres séances axées sur les thèmes ci-dessous sont prévues:

- **Examen de la valeur en risque de marché *(18 mai 2017)***
    - Défis
    - Méthodes évaluatives
    - Z-spreads
    - Déterminer les écarts de crédit / L'écart de crédit dans les produits structurés

- **Options exotiques et dépendant de la trajectoire choisie : méthodes numériques (*15 juin 2017*)**

- **Fixer le prix des obligations adossées à des créances (CDO) au moyen de différentes techniques (*28 septembre 2017*)**

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- **Modélisation des liquidités pour les fonds d'investissement (*16 novembre 2017*)**

Les master classes sur la finance quantitative de Deloitte sont des séminaires payants qui se tiennent à la Villa Deloitte à Neudorf. Les professionnels du marché intéressés peuvent en savoir plus et s'inscrire sur le site web de Deloitte Luxembourg : https://www2.deloitte.com/lu/en/pages/financial-advisory/solutions/deloitte-quantitative-finance-master-classes.html.

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