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BLOCKCHAIN



DEEP DIVE INTO THE EU MARKETS IN CRYPTO-ASSETS REGULATION (MICA)

The course will cover the various legal implications of the MiCA regulation. MiCA has been signed in May 2023 and will enter into force in 2024. This course will review and provide information about the required steps for all targeted businesses.

[View online](#)

Price: 24,00 €

Start date: 18.01.2024

Instructor(s): Mme Deleva Boika

Language: English

Difficulty: Intermediate



DEEP-DIVE INTO ETHEREUM

The course will first describe how Ethereum smart contracts and DApps can be developed. This will involve Solidity, ERC20/721 and development tools as well as some DeFi applications. Then, we will discuss the motivations behind the Merge and what the Ethereum blockchain looks like before and after the Merge. We will conclude with a roadmap that includes projects to address MEV, scalability, and privacy issues, for instance, with zero-knowledge proofs.

[View online](#)

Price: 16,00 €

Start date: 15.11.2023

Instructor(s): M. Johannes Sedlmeir

Language: English

Difficulty: Intermediate



DIGITAL ASSETS AND INVESTMENT FUNDS

While we observe a surge of interest in the digital asset space and potential as a diversification mean, fund professionals need to understand the framework and ensure its compliance with the framework in place.

[View online](#)

Price: 8,00 €

Start date: 08.02.2024

Instructor(s): Mme Vandevoy Anne Lise

Language: English

Difficulty: Beginner



DLT FOR BANKING – TECHNOLOGY AND REGULATION

Aimed at professionals from the financial sector, this training will share information on the technology and regulation around Digital Ledger Technologies in the financial services industry, to enable participants to know more about the impact of the technology on their business. We will provide insights on the opportunities brought about by the technology and its evolution, as well as on the regulatory framework.

[View online](#)

Price: 16,00 €

Start date: 08.11.2023

Instructor(s): M. Laurent Marochini

Language: English

Difficulty: Beginner



HOW TO ACHIEVE VIABLE FINANCIAL ASSET TOKENISATION

In this course, we will describe the needed steps to tokenize a financial instrument. How to define a use case, understand the legal considerations and how to address the technical challenges. We will also do a practical exercise by creating and issuing a token in a sandbox environment.

[View online](#)

Price: 22,00 €

Start date: 15.03.2024

Instructor(s): M. Alvaro Garrido Mesa, M. Mathieu Cottin

Language: English

Difficulty: Intermediate



INTRODUCTION TO BLOCKCHAIN PROGRAMMING

The course gives a broad introduction to Blockchain principles and programming and guides the participants through a first hands-on Blockchain and decentralized application programming experience in the Ethereum Blockchain environment.

[View online](#)

Price: 80,00 €

Start date: 18.10.2023

Instructor(s): M. Adnan Imeri

Language: English

Difficulty: Beginner



INTRODUCTION TO THE BLOCKCHAIN LEGAL FRAMEWORK

The course gives a broad introduction to the legal framework around blockchain and guides the participants through an understanding of what is authorized, respectively regulated or prohibited when using the blockchain (in Luxembourg and in Europe). At the end of the course, the participant will have acquired a foundational understanding of the blockchain legal environment.

[View online](#)

Price: 16,00 €

Start date: 08.11.2023

Instructor(s): Mrs Zoe Wagner

Language: English

Difficulty: Beginner



INTRODUCTION TO TOKENISATION OF ASSETS AND THE NEW BUSINESS MODELS

This course will present the best use cases in asset tokenisation, be it financial, non-financial, assets. For each of these use cases, practical applications will be presented and illustrated with players from the ecosystem. We will share the basics of tokenisation and real life examples, providing another application of the blockchain/DLT technology and its use, and providing information about players from the ecosystem

[View online](#)

Price: 8,00 €

Start date: 06.11.2023

Instructor(s): M. Laurent Marochini

Language: English

Difficulty: Beginner



INTRODUCTION TO TOKENIZATION (1/2)

This class is designed to give all the basics about tokenization and especially how to use tokenization as a mechanism to obtain financing. It will also provide all necessary information about the various actors of the ecosystem.

[View online](#)

Price: 12,00 €

Start date: 14.03.2024

Instructor(s): M. Garrido Mesa Alvaro

Language: English

Difficulty: Beginner



LEGAL ASPECTS OF TOKENIZATION (2/2)

With a focus on security tokens, the course deep dives into the regulatory framework associated with the tokenization of assets. It is the follow-up from the course Introduction to Tokenization (1/2). This course has been created as Luxembourg is recognized internationally as a place to do Tokenization and is rich in possibilities.

[View online](#)

Price: 12,00 €

Start date: 14.03.2024

Instructor(s): M. Garrido Mesa Alvaro

Language: English

Difficulty: Beginner



REGULATION OF DLT : VASP, LUXEMBOURG AND EUROPEAN FRAMEWORK

Few elements of regulation exist already, especially with the Virtual Asset Providers and the Luxembourg dedicated Blockchain Framework. The course will give insights on the European framework that will come into force in the coming months.

[View online](#)

Price: 8,00 €

Start date: 07.12.2023

Instructor(s): Mme Manzari Nadia

Language: English

Difficulty: Beginner



WEB3 METHODS: AN EXPLORATION AND IMPLEMENTATION OF THE NEW INTERNET

This course will demonstrate Web3 methods in practice. Participants will gain practical knowledge of blockchain's main concepts, such as smart contract characteristics and interaction with smart contracts via Web3 methods. We will explore the power of Web3 methods (using Web3.js) and conceptualizing it with real-world applications. At the end of the course, the participants acquire a foundational understanding of Web3 methods and blockchain programming.

[View online](#)

Price: 32,00 €

Start date: 09.01.2024

Instructor(s): M. Adnan Imeri

Language: English

Difficulty: Intermediate



ZERO-KNOWLEDGE PROOF

Why are ZKPs increasingly used in many blockchain applications? With this course participants will learn why ZKPs can be considered a key technology without which blockchain can hardly scale towards mainstream adoption. Learners will gain insights into how ZKPs are relevant in machine learning, IT security, and get help in combating misinformation in future centralized or decentralized information systems.

[View online](#)

Price: 16,00 €

Start date: 23.10.2023

Instructor(s): M. Johannes Sedlmeir

Language: English

Difficulty: Intermediate