„1 DECEMBRIE 1918" UNIVERSITY
OF ALBA IULIA

Centre for International Relations

Erasmus, International Cooperation and Foreign Students Office

Blockchain and Digital Assets Blended Intensive Programme

(BIP)

Organiser: "1 Decembrie 1918" University of Alba-Iulia, Romania

Partners

1. UCLL, University of Applied Sciences, Belgium,
2. University of Applied Sciences BFI Vienna, Austria,
3. College of Polytechnics Jihlava, Czech Republic,
4. Rotterdam University of Applied Sciences, The Netherlands,
5. Politecnico de Leiria, Portugal

The goal of this blended intensive programme is to familiarise paticipants with the world of blockchains and digital assets via both theoretical and practical knowledge.

This blended intensive programme will include easy to understand lectures as well as group exercises.

The Online component consists of three online meetings:

1. Online meeting 1: April 5, 2024, 11:00-12:30 (Bucharest time)

Lecture on: **A primer on blockchain technology and digital assets**

Lecturer: Professor Dr. Ioan Dan Topor

2. Online meeting 2: April 12, 2024, 11:00-12:30 (Bucharest time)

Lecture on: **Blockchain technology, fraud detection and prevention**

Lecturer: Teaching Assist. Dr. Ramona-Anca Nichita

3. Online meeting after the physical mobility: April 26, 2024, 11:00-12:30 (Bucharest time)
Roundup and evaluation meeting

Main pillars addressed in this blended intensive programme are lectures on:

- Basics- Crypto/ blockchain/ DLT explained,
- NFTs- Why do these images cost so much and what is their use case,
- Stablecoins- types of stablecoins, LUNA collapse case,
- CBDC (Central Bank Digital Currency) current state and how they can work in the future.

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Trainers:

Professor Dr. Ioan Dan Topor

Teaching Assist. Dr. Ramona-Anca Nichita

Damian Dzienio, Business Analyst, Red Compass Labs

Stef Manaerts, Lecturing Accounting and Financial Topics; Founder of own business

Objectives:

The goal of blockchain is to allow digital information to be recorded and distributed, but not edited. This way, blockchain is the foundation for immutable ledgers or records of transactions that cannot be altered, deleted or destroyed.

Our objective is for students to gain a good understanding of how this virtual world works and where to apply this themselves in the future. We start with the basics, so that students learn what it is and how it works. We will outline an overview of some business models that are compatible with blockchain. Furthermore, the students will experience how smart contracts work, how to have a digital wallet, how to create a digital coin, how to create an NFT as well as how to send coins and NFTs. The possibilities of collaboration between government and blockchain technology will also be discussed.

All previous items will also be discussed in group assignments where students work in teams. At the end of the project all teams will present their work in front of a jury.

Practical information:

- When: 05-26, April 2024
- Physical mobility, 15-19 April 224,
- Where: online and at "1 Decembrie 1918" University Campus, Alba Iulia, Romania,
- ECTS: 3 ECTS