



DiAM

EFFAS Digital
Assets & MiCA

Examination Syllabus

EFFAS Digital Assets and MiCA

MODULE 1. Introduction to crypto-assets and blockchain technology

1.1 Characteristics and key concepts of blockchain technology

1.1.1. Centralized versus distributed systems

1.1.2. How Blockchain Works?

1.1.3. Blockchain protocol vs. TCP/IP protocol

1.1.4. What are DLTs and how do they relate to Blockchain?

1.1.5. Smart Contracts

1.2. Internet of Information vs. Internet of Value

1.2.1. What is the internet?

1.2.2. From the internet of information to the internet of value

1.2.3. Blockchain: Internet of value for business

MODULE 2. Types of crypto-assets and basic regulation affecting them

2.1. Legal classifications of the types of crypto-assets

2.2. Basic regulation of each type of crypto-asset

2.3. Cryptocurrencies as crypto-assets

2.3.1. Introduction

2.3.2. Main cryptocurrencies

2.3.1. Exchanges and market evolution

MODULE 3. Products and services in the world of crypto-assets

3.1. Asset tokenization

3.1.1. What is tokenisation?

3.1.2. Types of tokens and main advantages

3.1.3. Case study: tokenised real estate

- 3.2. Sale and purchase of digital assets
 - 3.2.1. Sale and purchase of digital assets.
 - 3.2.2. Decentralized exchange models (DEX)
 - 3.2.3. Advanced intermediation
 - 3.2.4. Security risks
 - 3.2.5. Regulatory approaches
- 3.3. Custody
 - 3.3.1. Wallets: A Basic Introduction
 - 3.3.2. Wallets: Types of wallets
 - 3.3.3. Custody: How is custody done today?
 - 3.3.4. Custody: Types of Strategies
 - 3.4.5. Custody: Regulatory Approaches
- 3.4. Wallets y Web3
- 3.5. Financial instruments and vehicles: investment funds.

MODULE 4. Regulation, ALM and MICA

- 4.1. Compliance regime and specific measures in PBC. The AML5 and “travel rule”
 - 4.1.1. AML/CFT obligations
 - 4.1.2. “Travel Rule”
- 4.2. MiCA analysis
 - 4.2.1. MiCA analysis: what it is, how it affects. Crypto-asset issuance rules
 - 4.2.2. Crypto-asset issuance rules
 - 4.2.3. MiCA analysis: main pillars of crypto-asset service provision

MODULE 5. Decentralized finance and future developments

- 5.1. DeFi actors and protocols: main components
 - 5.1.1. What is DeFi?
 - 5.1.2. Why DeFi?
 - 5.1.3. DeFi components
 - 5.1.4. DeFE operators

5.2. Basic typologies of DeFi operations and services

5.2.1. What makes DeFi special?

5.2.2. Types of Operations.

5.3 Differences with traditional finance (TradFi)

5.4. NFTs and metaverses

5.4.1. Starting point

5.4.2. NFTs

5.4.3 Metaverse

5.5. DAO's

5.5.1. What is a DAO?

5.5.2. Elements of governance

5.5.3. Frameworks

5.5.4. Example: ENS.domains