

CURRICULUM

MODULE 4: CRYPTOCURRENCY

GENERAL DESCRIPTION OF THE MODULE

This module aims to provide a detailed exploration of the crypto field. This includes a study of crypto fundamentals, the legal and regulatory framework, and the moral and ethical considerations associated with investing in crypto assets. Learners will gain insights into the technological foundations of cryptocurrencies, understand the legal landscape governing them, and critically examine the ethical dimensions of participating in the crypto market. This module aims to offer a well-rounded understanding, combining technical knowledge with legal and ethical considerations, preparing learners for a comprehensive view of the dynamic crypto landscape.

LEARNING OBJECTIVES

At the end of this module, learners should be able to:

- Understand the technological development that leads to crypto market and assets.
- Identify different types of crypto assets and their functionality.
- Understand the legal framework (recommendations, law and regulation) of crypto assets.
- Identify the main ethical and moral issues of using crypto assets.

TOPICS COVERED

List of topics included in the module:

- General characteristics
- Crypto fundamentals
- Law and regulation
- Moral and ethical considerations

TEACHING METHODOLOGY TOOLBOX

For this module, the suggestion is to create a learning experience that combines both face-to-face and online elements. In the face-to-face sessions, the focus should be on incorporating a diverse set of innovative teaching tools to enhance engagement. These tools could include quizzes, and videos.

Traditional approaches like storytelling, oral reports, guided reading sessions, and group activities like debates and critical thinking exercises can also be woven into the face-to-face learning sessions. The goal is to make the learning experience dynamic and interactive, catering to different learning styles and preferences. This approach aims to provide a comprehensive and engaging face-to-face learning environment that goes beyond conventional methods.

DETAILED INFORMATION ON THE TOPICS

TOPIC	LENGTH	LEARNING CONTENTS	OBJECTIVE	LEARNING ACTIVITIES	OUTCOME
General characteristics	2 hours	Presentation of the meaning of blockchain, how a transaction works and the concept of decentralization.	Provide learners understanding of the fundamental concept of blockchain technology, the process of how transactions occur within a blockchain, and the concept of decentralization within the context of blockchain technology	Video, presentation of important topics, group discussion about the blockchain decentralization , review sheet with true and false questions	<p>Able to define and explain the core concept of blockchain, understanding its structural elements and its role in decentralized systems.</p> <p>Gain an awareness of the concept of decentralization, recognizing its significance, benefits, and distinctions from centralized systems.</p>
Crypto fundamentals	2 hours	Presentation of different types of crypto assets, their differences and functionality and the environmental impact of cryptocurrency.	Provide learners the ability to recognize and differentiate various types of crypto assets, grasp the environmental implications associated with cryptocurrency, including energy consumption and sustainability concerns.	Videos on the explanation of crypto, presentation of different crypto assets, research on definition of different crypto assets, discussion on the environmental impact of crypto assets, true and false questions	<p>Able to identify and classify different types of crypto assets, understanding their unique characteristics and use cases.</p> <p>Able to understand the environmental impact of cryptocurrency.</p>

<p>Law and regulation</p>	<p>2 hours</p>	<p>Presentation of the dangers of crypto asset markets, the need for regulation, and regulatory efforts that are being carried out at a European level in terms of crypto assets.</p>	<p>Provide learners information about the current situation of crypto assets and markets in terms of the lack of regulation and law and new proposals, as well as the most important information about sources of regulation and laws from the national organisms and European Union, including the regulation on Markets in Crypto-Assets</p>	<p>Presentation of main important topics, videos, group discussion, true and false questions</p>	<p>Able to recognize potential risks and hazards inherent in crypto asset markets.</p> <p>Understand the necessity for regulatory frameworks in crypto asset markets to mitigate risks and protect stakeholders.</p> <p>Demonstrate awareness and understanding of current regulatory efforts at the European level regarding crypto assets.</p>
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Moral and ethical considerations	2 hours	<p>Presentation of moral and ethical considerations of investing in crypto assets by understanding the role of taxes in the economy and identifying the main types of taxes and the ones applied to crypto assets.</p> <p>Analyzing the awareness of unethical behaviors and their implications and privacy concerns.</p>	<p>Provide learners understanding of moral and ethical considerations associated with investing in crypto assets, understanding of the role of taxes in the broader economic context, with a focus on their application to crypto assets, develop awareness of unethical behaviors in the crypto space and analyze their implications on investors, markets, and the overall ethical landscape.</p>	<p>Gain a heightened awareness of the moral and ethical considerations tied to investing in crypto assets.</p> <p>Being proficient in recognizing the role of taxes in the economy and will demonstrate a clear understanding of the main tax types, especially those relevant to crypto assets.</p> <p>Developing the skills to analyze unethical behaviors in the crypto space.</p>
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REFERENCE LIST FOR THE MODULE

Below are some recommendations for the literature:

- Burniske, C., Tatar, J. (2018). Cryptoassets: The innovative investor's guide to bitcoin and beyond. New York: McGraw-Hill Education.
- Crypto Assets and cryptocurrency. Financial and Consumer Services Commission. Available at: <https://www.fcnb.ca/en/investing/high-risk-investments/crypto-assets-and-cryptocurrency>
- Lewis, A. (2018). The basics of bitcoins and blockchains: an introduction to cryptocurrencies and the technology that powers them. Mango Media Inc.
- Opinion of the European Central Bank of 19 February 2021 on a proposal for a regulation on Markets in Crypto-assets, and amending Directive (EU) 2019/1937 (CON/2021/4) 2021/C 152/01. Available at: <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A52021AB0004>
- Proposal for a Regulation of the European Parliament and of the Council on Markets in Crypto-assets, and amending Directive (EU) 2019/1937. Available at: https://eur-lex.europa.eu/resource.html?uri=cellar:f69f89bb-fe54-11ea-b44f-01aa75ed71a1.0001.02/DOC_1&format=PDF

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