



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Advanced It Skills

2425-2-F1601M070

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#### Learning objectives

The objective of the course is to provide basic concepts about Bitcoins and crypto-currencies in general, with particular attention to the cryptographic aspects.

#### Contents

Cryptocurrencies and cryptography.

#### Detailed program

Introduction, what is Bitcoin? Basic concepts

Storing Bitcoins Safely, Securely, Conveniently

Buying Bitcoins

The cryptography behind Bitcoins

Bitcoin mining

Altcoins and the use of cryptocurrencies as an asset class to diversify investment portfolios

## **Prerequisites**

No specific prerequisites.

## **Teaching methods**

Lectures.

## **Assessment methods**

Written exam.

## **Textbooks and Reading Materials**

Textbooks will be suggested during the lectures.

Slides of the lectures.

## **Semester**

First semester.

## **Teaching language**

Italian

## **Sustainable Development Goals**

INDUSTRY, INNOVATION AND INFRASTRUCTURE

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