Simon Kuznets Kharkiv National University of Economics

Syllabus of the course

«Blockchain: basics and examples of use»

Specialty	*All*
Study Programme	*All*
Study cycle (Bachelor, Master, PhD)	*the first (Bachelor) level of higher education*
Course status	*Selective*
Language	*English*
Term	*third year, fifth semester*
ECTS credits	*5*
Workload	*Lectures – 30 hours.*
	Practical studies – 30 hours.
	Laboratory studies – 0 hours.
	Self-study – 90 hours.
Assessment system	*Grading*
Department	*Department of Marketing, 1st building, 4th floor, auditorium 413, phone: (057) 702-02-65 (3-66), website: https://dom.hneu.edu.ua/*
Teaching staff	*Dolgova Nataliia Hennadiivna, Candidate of Technical Sciences, Associate Professor*
Contacts	*natalya.dolgova@hneu.net*
Course schedule	*Lectures: according to the schedule* *Practical studies: according to the schedule*
Consultations	*At the Department of tourism, offline, according to the schedule, individual, PNS chat.*

Learning objectives and skills:

mastering the theoretical foundations, the formation of future bachelor's skills in the use of blockchain technologies, and economic relations based on cryptocurrencies and smart contracts

Structural and logical scheme of the course

Prerequisites	Postrequsites
-	-
-	-

Course content

Module 1. *Basics of blockchain technologies*
Topic 1: Decentralization in information systems.
Topic 2. Blockchain technology
Topic 3. How Bitcoin works
Topic 4. Cryptography and key management
Module 2. *Examples of blockchain technologies application*
Topic 5. Rules for forming blocks in the blockchain.
Topic 6. Blockchain rules in Bitcoin
Topic 7. Transactions and key formats in Bitcoin
Topic 8: Blockchain, cryptocurrencies, and smart contracts

Teaching environment (software)

Multimedia projector, S. Kuznets PNS, Corporate Zoom system

Assessment system

Assessment of students' learning outcomes is carried out by the University according to the cumulative 100-point system.

Current control is carried out during lectures and practical (seminar) classes and aims to assess the level of students' readiness to perform particular tasks, and is assessed by the amount of scored points.

The maximum amount during the semester – 100 points; the minimum amount required is 60 points.

Current control includes the following assessment methods: assignments on topics; current control works; presentations on topics and writing essays.

More detailed information on assessment and grading system is given in the technological card of the course.

Course policies

Teaching of the academic discipline is based on the principles of academic integrity.

Violation of academic integrity includes academic plagiarism, fabrication, falsification, cheating, deception, bribery, and biased assessment.

Educational students may be brought to the following academic responsibility for breach of academic integrity: repeated assessment of the corresponding type of learning activity.

More detailed information about competencies, learning outcomes, teaching methods, assessment forms, self-study is given in the Course program.