Syllabus of the course

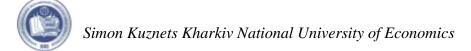
«Blockchain: basics and examples of use»

Specialty	All
Study Programme	All
Study cycle (Bachelor,	the first (Bachelor) level of higher education
Master, PhD)	
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:
	foundations, the formation of future bachelor's skills in the use of
	d economic relations based on cryptocurrencies and smart contracts
Prerequisites	ctural and logical scheme of the course
1 rerequisites	Postrequsites
<u> </u>	
	Course content
Module 1. Basics of blockch	

- **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.