



Syllabus of the course
«Blockchain: basics and examples of use»

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



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.