Силабус навчальної дисципліни
"DIGITAL FORENSIC"

Specialty	*125 Cyber Security*
Field of knowledge	*Cyber Security*
Educational level	*Second (master's)*
Discipline status	*Mandatory*
Language of instruction, teaching and assessment	*English*
Course / Semester	*1 M, 2nd semester*
Number of ECTS credits	*4*
Structural and scheme of studying the discipline	*Lecture – 10 h.*
	Practice – no.
	Computer class lesson – 20 h.
	Individual work – 90 h.
Form of final control	*Exam*
Department	*Cybersecurity and Information Technologies, Kharkiv, av Nauki 9-A, 057-702-18-31, http://www.kafcbit.hneu.edu.ua/*
Instructor (-s)	*Milov Oleksandr Volodimirovitch*
Contact (-s)	*oleksandr.milov@hneu.net*
Day of the lesson	*According to the current schedule of classes*
Consulting	*According to the schedule*

The purpose of the discipline "Digital Forensics" is the formation of theoretical knowledge of the basic principles of modern networks, which include local, global and regional networks, through which new approaches to managing the modern information society, as well as the formation of practical skills in building and managing corporate systems and networks.

Prerequisites for learning
Mathematical foundations of cryptology. Fundamentals of cryptographic protection.

Curriculum of the discipline

Content module 1. Digital forensic foundations
Topic 1. *Introduction to digital forensics*
Topic 2. *Basic concepts and methodology of digital forensic*
Topic 3. *Digital forensic foundations*
Topic 4. *Digital forensic*

Content module 2. Specialized software for digital foransic
Topic 5. *Basic methods of using specialized software*
Topic 6. *Processing of digital forensics in software*
Topic 7. *Typical cases and recommendations for their study*
Topic 8. *Reporting and difficulties in the application of digital forensics*

Hardware and software tools for courses
Internet, OC Linux, Microsoft Office, Xaamp (OpenServer)

Course page on the Moodle platform (personal learning system) *The site of personal educational systems of KhNEU named after S. Kuznets in the discipline "Digital Forensics"*	*https://pns.hneu.edu.ua/course/view.php?id=5683*

Learning outcomes assessment system
A student should be considered certified if the sum of points obtained from the final / semester

test is equal to or exceeds 60. The minimum possible number of points for current and modular control during the semester is 35 and the minimum possible number of points scored in the exam is 25.

The final grade in the discipline is calculated taking into account the scores obtained during the exam and the scores obtained during the current control of the accumulative system. The total result in points for the semester is: "60 or more points - credited", "59 or less points - not credited" and is entered in the test "Statement of success" of the discipline.More detailed information on assessment is given in the technological map of the discipline.

Accumulation of rating points in the discipline (example)

Types of academic work	Max number of points
Lecture	8
Quiz	9
Laboratory	8
Defense of laboratory works	15
Control works	20
Exam (if is)	40
Max number of points	**100**

Discipline policies
Policy of academic integrity, Class omission policy, Policy to perform tasks later than the deadline, etc.
More detailed information on competencies, learning outcomes, teaching methods, assessment forms, independent work is given in the Work Program of the discipline "Digital Forensics", http://www.repository.hneu.edu.ua/handle/123456789/24103.

Syllabus approved at a meeting of "11" in Jun 2021. Protocol number 17