The syllabus of the course
«IT infrastructure»

Specialty	*F6 Information systems and technologies*
Educational program	*Information systems and technologies*
Educational level	*The second (master's) level of higher education*
Course status	*Selected*
Language of instruction	*English*
Course / semester	*1 course, 1th semester*
Number of ECTS credits	*5 credits*
Distribution by types of classes and hours of study	*Lectures - 14 hours.*
	Laboratory classes - 36 hours.
	Self study- 100 hours.
Form of final control	*Exam*
Chair	*Department of Information Systems, room 413 (main building), (057) 702-18-31 (add. 4-37), department website: https://kafis.hneu.net/*
Teacher (s)	*Znakhur Serhii Viktorovych, PhD, Associate Professor*
Contact Information teacher (s)	*serhii.znakhur@hneu.net*
Class days	*Lecture: згідно діючого розкладу занять*
	Practical (laboratory): згідно діючого розкладу занять
Consultations	*At the Department of Information Systems, full-time, according to the schedule of consultations, individual*

Learning objectives and skills:

Purpose of the course: to develop students' competence in the field of design, management and optimization of the IT infrastructure of enterprises, as well as to teach how to implement modern technologies and tools to ensure the effective operation of IT systems.

Structural and logical scheme of the course

Prerequisites	Postrequisites
-	Complex Training Pre-graduate Practice Diploma Work

Content of the academic course

Content module 1. *Basics of IT infrastructure*

Topic 1. Interaction of business and information technologies

Topic 2. Enterprise architecture and its relationship with IT

Topic 3. Methods of describing the enterprise architecture

Content module 2. *IS infrastructure management*

Topic 4. IT strategy of the enterprise

Topic 5. Personnel management within the framework of IS

Topic 6. IT infrastructure management, audit and evaluation of the effectiveness of IT investments

Teaching environment (software)

Distance learning tools: Website of personal learning systems: https://pns.hneu.edu.ua;
Library: http://library.hneu.edu.ua Repository: http://www.repository.hneu.edu.ua
University auditoriums (Kharkiv, Nauki Ave. 9A)
Software: GCP, AWS, Visual Paradigm

Assessment system

The University uses a 100-point cumulative system for assessing the learning outcomes of higher education students. Current control is carried out during lectures, laboratory classes and is aimed at checking the level of readiness of the higher education student to perform specific work and is evaluated by the amount of points scored. The final control includes semester control, which is conducted in the form of an exam. The

maximum possible number of points for the current control during the semester for the course in the form of a test is 60 and the minimum possible number of points is 35. The current control includes the following control measures: defense of laboratory work, individual and group educational tasks, and tests.The maximum number of points for the exam is 40. The minimum number for the exam is 25.

More detailed information on the system of assessment and accumulation of points in the discipline is given in the work plan (technological map) for the course.

Course policies

The teaching of the course is based on the principles of academic integrity. Violations of academic integrity are: academic plagiarism, fabrication, falsification, write-off, deception, bribery, biased evaluation. For violation of academic integrity, students are brought to the following academic responsibility: re-assessment of the relevant type of educational work

More detailed information on competencies, learning outcomes, teaching methods, assessment forms, independent work is given in the Work program of the course.