Syllabus of the course

«Introduction to the specialty»

Specialty	*121 Software engineering*
Study Programme	*Software engineering*
Study cycle (Bachelor, Master, PhD)	*the first (Bachelor) level of higher education*
Course status	*Mandatory*
Language	*English*
Term	*first year, first semester*
ECTS credits	*5,5*
Workload	*Lectures – 24 hours.*
	Laboratory studies – 34 hours.
	Practical studies – 14 hours.
	Self-study – 108 hours.
Assessment system	*Grading*
Department	*Department of Information Systems, 61166, Kharkiv, Nauky av., 9a, S Kuznets Khneu, 413., phone: (057) 702-18-31, http://www.is.hneu.edu.ua/*
Teaching staff	*Oleksii Nikolaevich Besedovskyi, PhD in Economics, Associate Professor* *Liudmyla Volodimirivna Znakhur , lecturer*
Contacts	*oleksii.besedovskyi@hneu.net, +380501403585 (Telegram)* *liudmyla.znakhur@hneu.net*
Course schedule	*Lectures: according to the schedule* *Laboratory studies: according to the schedule* *Practical studies: according to the schedule*
Consultations	*At the Department of Information Systems, online consultations, according to the schedule, PNS chat.*

Learning objectives and skills:

Formation of future specialists' knowledge of the basics of computer information technologies, construction and functioning of software, as well as the acquisition of practical skills in working with modern computer equipment and the effective use of information and communication technologies in professional activities to solve various problems.

Structural and logical scheme of the course

Prerequisites	Postrequsites
	Course project: Object-oriented programming
	Course project: Software engineering
	Diploma project

Course content

Module 1. *Content module 1. Organization of education at the university*

Topic 1. Introduction to the discipline. Recommendations of leading experts in the in the field of IT

Topic 2. General recommendations for organizing training at the university

Topic 3. Educational and information computer environment of the university

Topic 4. Professionalism, academic integrity and protection of the rights of students

Topic 5. Mind Maps as a tool for studying and summarizing information

Topic 6. Structure of the curriculum in the specialty
Module 2. *Soft-skills and hard-skills of employees in the field of IT*
Topic 7. Requirements for the formation of CV
Topic 8. Requirements for creating presentations
Topic 9. Requirements for public speaking
Topic 10. Professions in IT: developer and tester
Topic 11. Professions in IT: business analyst and project manager
Topic 12: Professions in IT: other professions in IT

Teaching environment (software)

MS Power Point, MS Word, MS Excel
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 a particular topic; presentations, and essay writing.

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

Course policies

https://www.hneu.edu.ua/akademichna-dobrochesnist/

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