Simon Kuznets Kharkiv National University of Economics

Syllabus of the course
«Informatics»

Specialty	*073 Management*
Study Programme	*Business administration*
Study cycle (Bachelor, Master, PhD)	*the first (Bachelor) level of higher education*
Course status	*Mandatory*
Language	*English*
Term	*first year, first semester*
ECTS credits	*4*
Workload	*Lectures – 8 hours.*
	Laboratory studies – 40 hours.
	Self-study – 72 hours.
Assessment system	*Grading*
Department	*Informatics and computer technologies, 702-06-74 (4-38), room 405 (main block), http://www.kafikt.hneu.edu.ua/*
Teaching staff	*Gorokhovatskyi Oleksii, assoc. prof., Ph.D.*
	Brynza Natalia, assoc. prof., Ph.D.
Contacts	*Gorokhovatskyi Oleksii: oleksii.gorokhovatskyi@gmail.com*
	Brynza Natalia: Brynz@ukr.net
Course schedule	*Lectures: according to the official schedule*
	Laboratory works: according to the official schedule
Consultations	*At the Department of Informatics and computer technologies, offline, according to the schedule, individual, PNS chat.*

The **purpose** of the course is to form a system of competencies on the architectural principles of construction and operation of personal computers and computer networks for future professionals, algorithmization and organization of computational processes, software, as well as the acquisition of competence with modern computer technology and the efficient use of modern technologies in professional activities to solve various economic problems

Structural and logical scheme of the course

Prerequisites	Postrequsites
High mathematics	Probability theory and mathematical statistics
-	Statistics
	Econometrics
	Fundamentals of scientific and analytical researches
	Analytical support of business management
	Training course «Enterprise management automation»

Course content

Content module 1. *Using MS Office to solve economic problems*
Topic 1. Theoretical foundations of economic informatics.
Topic 2. Technologies for creating and editing text documents.
Topic 3. Using a spreadsheet processor to solve economic problems.
Content module 2. *Algorithmization of economic information processing problems. Basics of office programming*
Topic 4. Algorithmization of economic information processing problems.
Topic 5. Computer networks and basics of web design.

Content module 3. *Basics of Web design*
Topic 6. Network technologies.
Topic 7. Organization of computer security and information protection.
Topic 8. Basics of Web-design.
Content module 4. *Design and use of databases and data warehouses in the economics*
Topic 9. Software tools for working with databases and data repositories.
Topic 10. Prospects for the development of information technologies.

Teaching environment (software)

Multimedia projector, S. Kuznets PNS, Corporate Zoom system, MS Office, Notepad++, 7zip

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 laboratory 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: laboratory works, self-studies work, written control tests, tests for current work.

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.

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 Program of the course.