



Syllabus of the course "Informatics"

Specialty	073 "Management"
Learning program	073.020 "Innovation management"
Learning level	First (bachelor)
Type of course	Base
Language	English
Year of study / semester	1 year of study / 1 semester
ECTS credits	5
Hours per type of learning activities	Lectures – 8 hrs. Laboratory works – 52 hrs. Independent work – 90 hrs.
Final control form	Credit
Department	Informatics and computer technologies, 702-06-74 (4-38), room 405 (main block), http://www.kafikt.hneu.edu.ua/
Teacher (s)	Gorokhovatskyi Oleksii, assoc. prof.
Teacher's contacts	oleksii.gorokhovatskyi@gmail.com
Learning days	Monday, Wednesday, Thursday, Friday
Consultations	Distance, by request, individual
<p><i>The goal of the discipline 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</i></p>	
Prerequisites	
<i>Basic competencies to use personal computer</i>	
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 spreadsheets to solve economic problems	
Content module 2. Algorithmization of economic information processing tasks. Basics of office programming	
Topic 4. Algorithmization of economic information processing tasks	
Topic 5. Fundamentals of office programming	
Content module 3. Basics of Web-design	
Topic 6. Network technologies	
Topic 7. Organization of computer security and information security	
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 warehouses	
Topic 10. Prospects for the development of information technology	
Software	
<i>MS Office, Notepad++, 7zip, browser</i>	
Moodle (PNS) web-page	https://pns.hneu.edu.ua/course/view.php?id=3542 <i>The entire course content is posted: lectures, laboratory tasks, examples, additional and helpful materials</i>
Sources	
<i>1. Інформатика: Комп'ютерна техніка. Комп'ютерні технології : підручник для студ. вузів / В.</i>	



- A. Баженів, П. П. Лізунов, А. С. Резніков, та ін. – [4-е вид.]. – Київ : Каравела, 2012. – 496 с.*
 2. *Інформатика. Комп'ютерна техніка. Комп'ютерні технології : посібник / за ред. О. І. Пушкаря. – Київ : Видавничий центр "Академія", 2002. – 704 с.*
 3. *Кащеев Л. Б. Інформатика. Основи візуального програмування : навч. посіб. / Л. Б. Кащеев, С. В. Коваленко, С. М. Коваленко. – Харків : Веста, 2011. – 192 с.*

Overall course assessment

Current control is carried out during the semester during lectures and laboratory classes and is estimated by the amount of points scored (maximum amount - 100 points; minimum amount - 60 points);

Modular control is carried out taking into account the current control for the relevant content module and aims at an integrated assessment of student learning outcomes after studying the material from the logically completed part of the discipline - the content module;

The final control is performed in the form of a semester test.

More detailed information on assessment is given in the technological roadmap of the discipline.

Points assignment

Learning activity	Max quantity of points
Active work at lectures	4
Active work at laboratory tasks	13
Passing the laboratory tasks	50
Presentation	3
Control works	10
Tests	20
Maximum points	100

ECTS, national and HNUE S. Kuznets grading systems

Points	ECTS	National grade	
		Exam, practice, training	Credit
90 – 100	A	Excellent	Passed
82 – 89	B	Good	
74 – 81	C	Satisfactory	
64 – 73	D		
60 – 63	E	Failed	
35 – 59	FX		
1 – 34	F		

Politics

The policy of academic integrity

More detailed information on competencies, learning outcomes, teaching methods, forms of assessment, independent work is given in the Work program of the discipline (<https://pns.hneu.edu.ua/mod/resource/view.php?id=252199>)

Syllabus has been confirmed at the "Informatics and computer technologies" department session
 01.10.2020 protocol №3.