



## Syllabus of the course "Informatics"

	<i>All</i>
<b>Learning program</b>	<i>All</i>
<b>Learning level</b>	<i>First (bachelor)</i>
<b>Type of course</b>	<i>Base</i>
<b>Language</b>	<i>English</i>
<b>Year of study / semester</b>	<i>1 year of study / 1 semester</i>
<b>ECTS credits</b>	<i>5</i>
<b>Hours per type of learning activities</b>	<i>Lectures – 8 hrs. Laboratory works – 52 hrs. Independent work – 90 hrs.</i>
<b>Final control form</b>	<i>Credit</i>
<b>Department</b>	<i>Informatics and computer technologies, 702-06-74 (4-38), room 405 (main block), <a href="http://www.kafikt.hneu.edu.ua/">http://www.kafikt.hneu.edu.ua/</a></i>
<b>Teacher (s)</b>	<i>Gorokhovatskyi Oleksii, assoc. prof.</i>
<b>Teacher's contacts</b>	<i>oleksii.gorokhovatskyi@gmail.com</i>
<b>Learning days</b>	<i>Tuesday, wednesday</i>
<b>Consultations</b>	<i>Distance, by request, individual</i>
<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>	
<b>Prerequisites</b>	
<i>Basic competencies to use personal computer</i>	
<b>Content</b>	
<b>Content module 1. Using MS Office to solve economic problems</b>	
<b>Topic 1. Theoretical foundations of economic informatics</b>	
<b>Topic 2. Technologies for creating and editing text documents</b>	
<b>Topic 3. Using a spreadsheets to solve economic problems</b>	
<b>Content module 2. Algorithmization of economic information processing tasks. Basics of office programming</b>	
<b>Topic 4. Algorithmization of economic information processing tasks</b>	
<b>Topic 5. Fundamentals of office programming</b>	
<b>Content module 3. Basics of Web-design</b>	
<b>Topic 6. Network technologies</b>	
<b>Topic 7. Organization of computer security and information security</b>	
<b>Topic 8. Basics of Web-design</b>	
<b>Content module 4. Design and use of databases and data warehouses in the economics</b>	
<b>Topic 9. Software tools for working with databases and data warehouses</b>	
<b>Topic 10. Prospects for the development of information technology</b>	
<b>Software</b>	
<i>MS Office, Notepad++, 7zip, browser</i>	
<b>Moodle (PNS) web-page</b>	<i><a href="https://pns.hneu.edu.ua/course/view.php?id=3542">https://pns.hneu.edu.ua/course/view.php?id=3542</a> The entire course content is posted: lectures, laboratory tasks, examples, additional and helpful materials</i>



### Sources

1. Інформатика: Комп'ютерна техніка. Комп'ютерні технології : підручник для студ. вузів / В. А. Баженов, 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. Кацєєв Л. Б. Інформатика. Основи візуального програмування : навч. посіб. / Л. Б. Кацєєв, 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
<b>Maximum points</b>	<b>100</b>

### 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		
64 – 73	D	Satisfactory	Failed
60 – 63	E		
35 – 59	FX	Failed	
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.