# Syllabus of the educational discipline
# "Development and implementation of information systems"

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| **Specialty** | *F6 "Information systems and technologies"* |
| **Educational program** | *Information systems and technologies* |
| **Educational level** | *Second (master's) level* |
| **Discipline status** | *Mandatory* |
| **Language of teaching** | *English* |
| **Course / semester** | *1 course, 1 semester* |
| **Number of ECTS credits** | *5* |
| **Distribution by types of classes and hours of study** | *Lectures - 12 hours.* |
| | *Laboratory - 28 hours.* |
| | *Independent work - 110 hours.* |
| **Final control form** | *Exam* |
| **Chair** | *Department of information systems, aud . 413 (main building), (057) 702-18-31 ( ext . 4-37),Site http://www.is.hneu.edu.ua/* |
| **Teacher(s)** | *Ushakova , Cand. Sc. (Economic), Prof.* |
| **Contact information teacher( s )** | *Ushakova I. iryna.ushakova @hneu.net* |
| **Days of classes** | *According to the current class schedule* |
| **Consultations** | *At the Department of Information Systems, face-to-face, part-time according to the consultation schedule, individual, chat in PNS* |

**The purpose of** the educational discipline: *providing basic profiling training by profession, formation of theoretical knowledge and practical skills necessary for using modern approaches to business analysis and development of information systems, ensuring their quality, managing design and implementation of IC*

### Structural and logical scheme of study of the academic discipline:

| Prerequisites | Post-requisites |
|---|---|
| | IS strategy |
| | Complex training |
| | Pre-graduate practice |
| | Diploma work |

### Content of the academic discipline
**Content module 1.** *Approaches to the analysis and design of information systems*
**Topic 1. Purpose and principles of creating information systems**
**Topic 2. Business analysis in the development of information systems**
**Topic 3. Modern approaches to the design of information systems**
**Content module 2.** *Approaches to quality assurance, deployment and support of information systems*
**Topic 4. Flexible methodologies in the development and implementation of information systems**
**Topic 5. Ensuring the quality of information systems**
**Topic 6. Deployment and support of information systems**

### Material and technical (software) ensuring discipline
*Distance learning tools:*
*Website of personal training systems: https://pns.hneu.edu.ua.*
*Library: http://library.hneu.edu.ua.*
*Repository: http://www.repository.hneu.edu.ua.*
*Auditoriums of the university (Kharkiv, Nauki Ave. 9A).*
*Multimedia equipment: projector, laptop/computer, Internet access,*

*Software: Microsoft Windows, The Product Vision Board; Piktochar, XMind; Atlassian Trello; Visual Paradigm, Microsoft Word, Microsoft Excel, Microsoft PowerPoint*

## Assessment forms and methods

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 – 60 points; the minimum amount required is 35 points. Final control is carried out at the end of the semester in the form of an exam (the maximum amount is 40 points, the minimum amount required is 25 points).

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

## Policies of educational discipline

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***