



Syllabus

Course Program

Ukrainian as a foreign Language

Specialty

F5 Cybersecurity and information protection

Institute

Institute of International Education

Specialization

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Department

Department of Ukrainian Language (273)

Educational program

Cybersecurity

Course type

General, Mandatory

Level of education

First (bachelor's level)

Form of study

Full-time

Semester

3,4,5,6,7,8

Language of instruction

Ukrainian

Lecturers and course developers

**Maryna Lukhina**

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Senior lecturer of the Ukrainian Language Department, NTU "KhPI".

Professional experience – 37 years. The author and co-author of over 40 scientific publications. Courses:

«Ukrainian as a foreign Language»,
«Language of professional training (Ukrainian)»,
«Ukrainian Language (for professional purposes)».

[More about the lecturer on the department's website](#)

General information

Summary

The course is aimed at improving knowledge of the Ukrainian language, in particular mastering the style of professional communication. The program of the discipline provides students with the study of the basic language norms of the Ukrainian literary language - vocabulary, morphology, spelling, stylistics and grammar, the principles of working with texts of different styles, and the peculiarities of oral communication.

Course objectives and goals

1. Formation of a holistic system of students' knowledge of the Ukrainian Language:
 - Enrichment of vocabulary of foreign students;
 - Development and improvement of skills and abilities in various types of speech activity for accomplishment of a specialty while studying at NTU "KhPI";
 - Improvement of Grammatical skills (Morphology, Syntax);
 - Formation of reading skills and abilities, which allows to perceive the text in the Ukrainian language as a source of information and to understand the content of the text;

- Formation and improvement of skills of oral, written, monologue and dialogic speech, ability to perceive speech messages in the conditions close to real;
 - Improvement of skills and abilities in all types of speech activity (reading, writing, listening and speaking) of scientific-educational and socio-cultural sphere of communication;
 - Formation and improvement of introductory reading skills;
 - Formation and improvement of listening skills based on visualization;
 - Formation and improvement of reproductive and productive speech skills;
 - Formation of skills related to word-building.
2. Mastering the Ukrainian Language as a "working language" for study in a technical higher education institution of Ukraine in the chosen specialty.
3. Practical mastery of the Ukrainian Language at the A2 level within the areas of communication relevant to foreign students' academic needs during their studies.

Format of classes

Workshops, self-study, consultations. Individual task (abstract). Final control in the form of an tests (3-7 semester), exam (8 semester).

Competencies

GC4. Ability to communicate in a foreign language.

Learning outcomes

LO2. Communicate in a foreign language in order to ensure the effectiveness of professional communication.

Student workload

The total volume of the course is 360 hours (12 ECTS credits): workshops - 176 hours, self-study - 184 hours.

Course prerequisites

To successfully complete the course, it is necessary to have knowledge and practical skills from the following discipline: «Language of professional training».

Features of the course, teaching and learning methods, and technologies

During the teaching of the academic discipline " Ukrainian as a foreign Language " verbal, visual, reproductive, problem-based and practical teaching methods are used: essays, presentations, written. Game methods, educational discussions and debates, analysis of situations in professional activities, etc. are used in practical classes.

Practical classes are conducted using the Microsoft Teams program.

Program of the course

Academic classes

Lectures

no lectures.

Workshops

Topics for workshops/seminars	Hours	Weighting coefficients <i>a</i>
Content module 1. Phonetic concepts and laws. Morphology: noun (genus categories, numbers), personal, indicative, possessive pronouns, adjective, numerator, verb. Socio-cultural sphere of communication, dialogues, short messages.		

Topic 1. Phonetics. Phonetic concepts and laws. 1. Phonetic and graphic material. Vowels, consonants. 2. Affricates. 3 Apostrophe. Storage. Emphasis. Intonation.	4	-
Topic 2. Morphology. Noun. 1. The concept of being / non-being. 2. Category of genus, number. 3. The concept of cases. 4. Address to the person (exclamatory case).	4	-
Topic 3. Morphology. Pronoun. 1. Personal pronouns. 2. Possessive pronouns. 3. Expression of belonging to a certain person of the object or person.	4	-
Topic 4. Morphology. Pronoun. 1 Indicative pronouns. 2. Indication of a person or object.	4	-
Topic 5. Morphology. Adjective. 1. Expression of a feature of an object or person with the help of adjectives. Names of colors.	4	-
Topic 6. Morphology. Numeral. 1. Use of quantitative numerals. 2. Use of ordinal numbers.	4	-
Topic 7. Morphology. Verb. 1. The concept of conjugation. 2. Conjugation of verbs of the first and second conjugations.	4	-
Control work №1	2	-
Content module № 2. Syntax of a simple sentence, declension of nouns, pronouns, adjectives. Socio-cultural sphere of communication: dialogues, short messages.		
Topic 8. Syntax. 1. A simple sentence. 2. The concept of subject and predicate.	4	-
Topic 9. Morphology. Noun. 1. Expression of the object of action with the help of nouns in the possessive case.	4	-
Topic 10. Morphology. Personal pronouns. 1. The use of personal pronouns in the accusative case to indicate the object of action.	4	-
Topic 11. Morphology. Noun. 1. Expression of the place of action with the help of nouns in the local and genitive cases. 2. Alternation of consonants.	4	-
Topic 12. Morphology. Personal pronouns. 1. Indication of the place of action with the help of personal pronouns in the local case. 2. Indication of the absence of a person or object in a certain person with the help of personal pronouns in the genitive case.	4	-
Topic 13. Morphology. Adjectives. 1. Expression of a feature of a person or object that is the object of action, with the help of adjectives in the possessive case.	4	-

2. Expression of a sign of a person or object that indicates the place of action, with the help of adjectives in the local case.

Topic 14. Morphology. Noun.	4	-
1. Expression of the time of action with the help of nouns in the singular.		
2. Expression of time of action by means of nouns-names of months in a local case.		
3. Expression of the time of action with the help of ordinal numbers and nouns to denote the time dimension (at what time?).		
4. Expression of time of action by means of prepositional constructions with nouns in the genitive case.		
Control work №2	2	-
Content module 3. Morphology. Conjugation of nouns, pronouns, adjectives (continuation), verb. Socio-cultural sphere of communication: dialogues, short messages, texts.	4	-
Topic 15. Morphology. Noun. Adjective.		
1. Expression of the sign of the subject.		
2. Expression of the owner of the subject with the help of nouns and adjectives in the genitive case.		
Topic 16. Morphology. Noun.	4	-
1. Expression of the presence or absence of a person or object in a person with the help of nouns in the genitive case.		
Topic 17. Morphology. Noun. Adjective.	4	-
1. Expression of the instrument of action, the object of joint action, the object of action by type of activity and the means of movement with the help of nouns and adjectives in the instrumental case.		
Topic 18. Morphology. Personal pronouns.	4	-
1. Indication of a person or object that acts as an instrument of action, an object of joint action and a means of transportation with the help of personal pronouns in the instrumental case.		
2. Indication of the addressee of the action with the help of personal pronouns in the dative case.		
Topic 19. Verb.	2	-
1. Expression of an action that took place earlier, with the help of past tense verbs of the imperfect form.		
Topic 20. Verb.	4	-
1. Expression of the action that will take place with the help of future tense verbs of the imperfect form.		
Topic 21. Verb.	4	-
1. Expression of short completed (effective) action with the help of verbs of the perfect form.		
2. Expression of past and future effective actions.		
Control work № 3	2	-
Content module 4. Morphology. Adverbs, movement verbs, declension of nouns and adjectives (continued). Syntax. A complex sentence. Socio-cultural sphere of communication: topics and texts.		
Topic 22. Morphology. Adverb.	4	-
1. Expression of a sign of action with the help of adverbs. to denote: a) mode of action; b) temporal sign of action; c) places of action.		
Topic 23. Morphology. Verb.	4	-
1. Verbs of movement.		

2. Expression of the direction of movement with the help of nouns in the genitive case and verbs of movement.

Topic 24. Morphology. Noun. 1. Expression of distance and direction of movement with the help of nouns in the genitive case.	2	-
Topic 25. Morphology. Noun. 1. Designation of the addressee of the action. 2. Expression of the age of a person or object using constructions with nouns in the dative case.	4	-
Topic 26. Morphology. Verb. 1. Expressing a request, wish, order with the help of verbs of the imperative mood.	4	-
Topic 27. Syntax. A complex sentence. 1. A complex sentence with the words who, what. 2. The use of conjunctions in a complex sentence.	4	-
Topic 28. Syntax. A complex sentence. 1. Complex sentences with the words which, what.	4	-
Control work № 4	2	-
Content module 5. Morphology. Degrees of comparison of adjectives and adverbs, adjectives, adverbs. Syntax. Replacement of adjectives and adverbial inflections by subordinate clauses. Scientific and educational sphere. Lexical and syntactic constructions.		
Topic 29. Morphology. Adjective. 1. Comparison of the sign of objects, persons, states with the help of adjectives of the highest and highest degrees of comparison.	4	-
Topic 30. Morphology. Adverb. 1. Comparison of the sign of action with the help of adverbs of the highest and highest degrees of comparison.	4	-
Topic 31. Morphology. Participle. 1. Expression of a sign of a person or object by action with the help of adjectives, adjectives, verb constructions. 2. Active and passive adjectives.	4	-
Topic 32. Morphology. Participle. 1. Expression of a person or object with the help of adjectives and verb constructions.	4	-
Topic 33. Syntax. 1. Replacement of a sentence with inversion of an adjective by a synonymous complex sentence with a subjunctive definite.	4	-
Topic 34. Morphology. Adverb. 1. Expression of additional action with the help of adverbs. 2. Adverbs of imperfect and perfect form.	4	-
Topic 35. Syntax. 1. Replacing an adverb or adverbial inflection with a contracted sentence with conjunctions when, because.	4	-
Control work № 5	2	-

Content module 6. Syntax of a complex sentence, types of complex sentences. Scientific and educational sphere, acquaintance with scientific texts, mastering of lexical units and syntactic constructions inherent in scientific style.

Topic 36. Syntax. A complex sentence.

4

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1. The concept of a complex sentence.

2. Expression of the reason of action (why?).

Topic 37. Syntax. A complex sentence.

4

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1. Expression of simultaneity and sequence of actions.

Topic 38. Syntax. A complex sentence.

4

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1. Expression of the condition.

Topic 39. Syntax. A complex sentence.

4

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1. Expression of necessity, expediency of action.

Topic 40. Syntax. A complex sentence.

4

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1. Expression of the purpose of action (for what purpose?).

Topic 41. Syntax. A complex sentence.

4

-

1. Expression of the consequence of action.

Topic 42. Syntax. A complex sentence.

4

-

1. Systematization of structural-semantic models of complex sentences.

Control work № 6

2

-

Total hours

176

$$\sum_{i=1}^n a_i$$

Laboratory classes

no laboratory classes.

Control works

Topics for control works

Weighting
coefficients b

Control work № 1

1

Control work № 2

1

Control work № 3

1

Control work № 4

1

Control work № 5

1

Control work № 6

1

Total

$$\sum_{i=1}^m b_i = 6$$

Self-study

Self-study includes independent work on theoretical materials and completion of individual assignments (abstract).

Work on theoretical materials

Content module 1. Phonetic concepts and laws. Morphology: noun (genus categories, numbers), personal, indicative, possessive pronouns, adjective, numerator, verb. Socio-cultural sphere of communication, dialogues, short messages.

Topic 1. Phonetics. Phonetic concepts and laws.

4

1. Socio-cultural sphere of communication: the text "Introduction".

Topic 2. Morphology. Noun.

4

1. Socio-cultural sphere of communication: "Telephone conversation".

Topic 3. Morphology. Pronoun.

4

1. Socio-cultural sphere of communication: "Me and my family".

Topic 4. Morphology. Pronoun.

4

1. Socio-cultural sphere of communication: Topic "My university".

Topic 5. Morphology. Adjective.

4

1. Socio-cultural sphere of communication: the text "Clothes".

Topic 6. Morphology. Numeral.

4

1. Socio-cultural sphere of communication: the topic "How much does it cost?"

Topic 7. Morphology. Verb.

5

1. Socio-cultural sphere of communication: "My day".

Content module № 2. Syntax of a simple sentence, declension of nouns, pronouns, adjectives. Socio-cultural sphere of communication: dialogues, short messages.

Topic 8. Syntax.

4

1. Socio-cultural sphere of communication: "Coffee House".

Topic 9. Morphology. Noun.

4

1. Socio-cultural sphere of communication: "My evening".

Topic 10. Morphology. Personal pronouns.

5

1. Socio-cultural sphere of communication: "Breakfast, lunch, dinner".

Topic 11. Morphology. Noun.

4

1. Socio-cultural sphere of communication: "Where I study".

Topic 12. Morphology. Personal pronouns.

4

1. Socio-cultural sphere of communication: "My room".

Topic 13. Socio-cultural sphere of communication: "Hospital".

4

Topic 14. Morphology. Noun.

5

1. Socio-cultural sphere of communication: the text "My day".

Content module 3. Morphology. Conjugation of nouns, pronouns, adjectives (continuation), verb. Socio-cultural sphere of communication: dialogues, short messages, texts.

Topic 15. Morphology. Noun. Adjective.

4

Topic 16. Morphology. Noun.

4

1. Socio-cultural sphere of communication: "How I bought fruits and vegetables".

Topic 17. Morphology. Noun. Adjective.

4

1. Socio-cultural sphere of communication: the topic "What do we use every day?"

Topic 18. Morphology. Personal pronouns.

4

1. Socio-cultural sphere of communication: "To whom I bought gifts".

Topic 19. Verb.

4

1. Socio-cultural sphere of communication: "How I spent the weekend".

Topic 20. Verb.

4

1. Socio-cultural sphere of communication: "What will my friend and I do next Sunday".

Topic 21. Verb.	4
1. Socio-cultural sphere of communication: the text "How Ali's student got sick".	
Content module 4. Morphology. Adverbs, movement verbs, declension of nouns and adjectives (continued). Syntax. A complex sentence. Socio-cultural sphere of communication: topics and texts.	
Topic 22. Morphology. Adverb.	4
1. Socio-cultural sphere of communication: "Friendly help".	
Topic 23. Morphology. Verb.	4
1. Socio-cultural sphere of communication: "How I came to Kharkiv".	
Topic 24. Morphology. Noun.	4
1. Socio-cultural sphere of communication: "Tell me, please, how to get to the circus?"	
Topic 25. Morphology. Noun.	4
1. Socio-cultural sphere of communication: "My family".	
Topic 26. Morphology. Verb.	4
1. Socio-cultural sphere of communication: "How I bought warm things in the supermarket".	
Topic 27. Syntax. A complex sentence.	5
1. Socio-cultural sphere of communication: "My future profession".	
Topic 28. Syntax. A complex sentence.	4
1. Socio-cultural sphere of communication: the topic "Welcome to Kharkiv".	
Content module 5. Morphology. Degrees of comparison of adjectives and adverbs, adjectives, adverbs. Syntax. Replacement of adjectives and adverbial inflections by subordinate clauses. Scientific and educational sphere. Lexical and syntactic constructions.	
Topic 29. Morphology. Adjective.	4
1. Scientific and educational sphere. Figures. Numbers.	
Topic 30. Morphology. Adverb.	4
1. Scientific and educational sphere. Mathematical operations.	
Topic 31. Morphology. Participle.	4
1. Scientific and educational sphere. Equality. Inequalities.	
Topic 32. Morphology. Participle.	4
1. Scientific and educational sphere. Fractions. Ordinary fractions.	
Topic 33. Syntax.	4
1. Scientific and educational sphere. Simple and complex substances. Chemical elements and their symbols.	
Topic 34. Morphology. Adverb.	4
1. Scientific and educational sphere. The composition of simple and complex substances.	
Topic 35. Syntax.	4
1. Scientific and educational sphere. Physical properties of substances.	
Content module 6. Syntax of a complex sentence, types of complex sentences. Scientific and educational sphere, acquaintance with scientific texts, mastering of lexical units and syntactic constructions inherent in scientific style.	
Topic 36. Syntax. A complex sentence.	5
1. Scientific and educational sphere. Classification of chemicals.	
Topic 37. Syntax. A complex sentence.	4
1. Scientific and educational sphere. The structure of the atom.	
Topic 38. Syntax. A complex sentence.	4
1. Scientific and educational sphere. Topic Mechanical motion. Sections of mechanics.	
Topic 39. Syntax. A complex sentence.	5

1. Scientific and educational sphere. Types of movement. Rectilinear and curvilinear motion.

Topic 40. Syntax. A complex sentence.

4

1. Scientific and professional sphere. Types of movement. Uniform and uneven movement.

Topic 41. Syntax. A complex sentence.

4

1. Scientific and professional sphere. Physical quantities and units of measurement.

Topic 42. Syntax. A complex sentence.

4

1. Scientific and professional sphere. My Major.

Completing an individual task

10

Total hours

184

Topics for individual assignments

The individual task involves writing an abstract, revealing the chosen topic, demonstrating the ability to analyze information and format text documents in accordance with the goal of the academic discipline. The applicant chooses a specific topic within the general topic in agreement with the teacher. The volume of the abstract: 5–7 pages of the main text. The task is completed during the academic weeks and submitted for verification before the exam.

Topics for individual assignments

Topic 1. The Use of Adjectives in Scientific Texts in the Field of Specialization (based on the description of physical quantities).

Topic 2. Degrees of Comparison of Adjectives and Adverbs in Mathematical and Physical Formulas (based on texts in the field of specialization).

Topic 3. The Role of Adverbs in Explaining Mathematical Operations (based on texts in the field of specialization).

Topic 4. The Use of Participial Constructions in Computer Science Texts (based on the description of algorithms).

Topic 5. Participial Phrases in Scientific Descriptions of Chemical Reactions (based on texts in the field of specialization).

Topic 6. Gerundial Constructions in Scientific Physics Texts (explanation of mechanical phenomena in the field of specialization).

Topic 7. Substitution of Participial and Gerundial Constructions with Subordinate Clauses in Scientific Style (based on texts in the field of specialization).

Topic 8. Syntactic Constructions for Describing Equalities and Inequalities in Scientific Texts in the Field of Specialization.

Topic 9. Specifics of Numerals Usage in Programming Texts (numbering, coding).

Topic 10. The Use of Complex Sentences in Scientific Texts on the Structure of the Atom.

Topic 11. Complex Subordinate Sentences in Presenting the Topic "Mechanical Motion."

Topic 12. The Use of Scientific Terms and Symbols of Chemical Elements in Syntactic Constructions (based on texts in the field of specialization).

Topic 13. Physical Quantities and Units of Measurement: Language Representation in Complex Sentences (based on texts in the field of specialization).

Topic 14. The Use of Subordinate Clauses for Describing Uniform and Non-Uniform Motion (based on texts in the field of specialization).

Topic 15. My Future Profession: The Use of Scientific Style in Writing Texts in the Field of Specialization.

Non-formal education

The applicant has the opportunity to re-enroll individual topics or courses by: completing professional courses or trainings, online education, professional internships, in a field that meets the educational goals of the discipline.

For enrollment, it is necessary to provide: a certificate (electronic or printed) of completion of the course/internship, a description of the training program indicating the content of the topics, scope and duration.

Recommended training courses, internships

1. [Online course "About language. Business communication in Ukrainian"](#).
2. [Online course "There is a language"](#).
3. [Online course "One"](#).
4. [Online course "Speaking"](#).
5. [Multimedia course "Modern Ukrainian Language"](#).

Literature, training materials, and information resources

Main literature

1. Ukrainian as a foreign language: elementary level [Electronic resource] : a textbook / G. I. Sabadyr, S.M. Cherniavska , O.M. Krymets, M.Yu. Lukhina, O.V. Diachenko. – National Technical University “Kharkiv Polytechnic Institute.” – Electronic text data – Kharkiv, 2022. – 120 p.
<http://repository.kpi.kharkov.ua/handle/KhPI-Press/62926>
2. Pronoun: Study guide / N.V. Severyn – Kharkiv: NTU “KhPI”, 2022. – 72 p.
<https://repository.kpi.kharkov.ua/handle/KhPI-Press/64504>
3. Degrees of comparison of adjectives and adverbs: methodical recommendations in Ukrainian language for independent work of foreign students / comp. N. V. Severyn; National Technical University “Kharkiv Polytechnic Institute.” – Kharkiv: Tsyfra Print LLC, 2023.- 40 p.
<https://repository.kpi.kharkov.ua/handle/KhPI-Press/64487>
4. Methodological recommendations for the independent work of foreign students of the 2nd year in the discipline “Ukrainian language”: (English language of instruction) / comp. L.A. Subota; National Technical University “Kharkiv Polytechnic Institute”. – Kharkiv: NTU “KhP”, 2023. – 59 p.
<https://repository.kpi.kharkov.ua/handle/KhPI-Press/64922>
5. Methodological recommendations for the independent work of foreign students of the 3rd year in the discipline “Ukrainian language”: (English language of instruction) / comp. L.A. Subota; National Technical University “Kharkiv Polytechnic Institute”. – Kharkiv: NTU “KhPI”, 2023. – 35 p.
<https://repository.kpi.kharkov.ua/handle/KhPI-Press/64923>
6. Methodical recommendations for practical classes in the discipline “Ukrainian language”: for foreign students of the 2nd year (English language of instruction) / comp. L.A. Subota; National Technical University “Kharkiv Polytechnic Institute”. – Kharkiv: NTU “KhPI”, 2024. – 76 p.
<https://repository.kpi.kharkov.ua/handle/KhPI-Press/69215>
7. Methodical instructions for teachers to conduct practical classes in the discipline “Ukrainian language”: for foreign students of the 2nd year (English language of instruction) / comp. L.A. Subota; National technical Kharkiv Polytechnic University. – Kharkiv: NTU “KhPI”, 2024. – 31 p.
<https://repository.kpi.kharkov.ua/handle/KhPI-Press/76688>
8. Ukrainian as a foreign language. Practical course for foreign students of all majors (initial level): study guide (second edition, supplemented and revised) / G. I. Sabadyr, M. Yu. Lukhina, O. M. Krymets, S. M. Cherniavska, O. V. Diachenko. – Kharkiv: NTU “KhPI”, 2024. – 194 p. [Electronic resource]
<https://repository.kpi.kharkov.ua/handle/KhPI-Press/75013>
9. Subota L. A. Ukrainian language as a foreign language: education. manual. Part 2 / Larysa Subota. – Kharkiv: Maidan, 2024. – 196 p.
<https://repository.kpi.kharkov.ua/handle/KhPI-Press/77266>

10. Methodical instructions for practical work on the discipline “Ukrainian language as a foreign language” [Electronic resource]: for applicants of the first (bachelor’s) level of higher education (for foreign students of all specialties) / compiled by: O. V. Shokurov, O. M. Krymets, S. M. Cherniavska; National Technical University “Kharkiv Polytechnic Institute”. – Electronic text data. – Kharkiv: NTU “KhPI”, 2025. – 39 p. <https://repository.kpi.kharkov.ua/handle/KhPI-Press/91668>

11. Severyn N.V. Methodical instructions on the discipline “Ukrainian language as a foreign language” for postgraduate students of all specialties. – Kharkiv: NTU “KhPI”, 2025. – 44 p. <https://repository.kpi.kharkov.ua/handle/KhPI-Press/91788>

Additional materials

1. O.G. Barchuk, O.M. Volkova, N.O. Vorona and others; edited by T.O. Degtyareva. Ukrainian language for foreigners: a textbook: University book, 2019. - 400 p.

2. O.M. Volkova, N.O. Vorona, E.O. Holovanenko and others; edited by T.O. Degtyareva. Ukrainian language for foreign students (beginner level): a textbook: University book, 2019. - 256 p.

3. Golovanenko E.O., Degtyareva T.O., Dyadchenko H.V. et al. Ukrainian for Foreigners. Level A1. Study guide: University book, 2019. - 278 p.

4. Degtyareva T.O., Dyadchenko H.V., Konok O.P. et al. Ukrainian for Foreigners. A2 level. Study guide: University book, 2019. - 215 p.

5. Bidenko L.V., Zavgorodnii V.A., Kazanzhyieva M.S. et al. Ukrainian for Foreigners. Level B1. Study guide: University book, 2019. - 363 p.

6. University education in Ukraine: education. manual / A. L. Khrypunova [etc.] ; National technical University "Kharkiv Polytechnic Institute". - Kharkiv: O. V. Brovin, 2021. - 238 p.

<https://repository.kpi.kharkov.ua/handle/KhPI-Press/52883>

Information resources

1. <http://chak-chy-pravylno-my-hovorymo.wikidot.com/>

2. <http://kultura-movy.wikidot.com/>

3. <http://nepravylno-pravylno.wikidot.com/>

4. <http://www.mova.info>

5. <http://www.pravopys.net>

6. <http://repository.kpi.kharkov.ua>

Grading system

The final grade for the educational component is determined by the lecturer and is based on topics, types of activities, etc., in accordance with the syllabus. It is an integrated assessment of the results of all types of student learning activities. The final grade should reflect all the grades for the different parts of the educational process, taking into account their weighting coefficients k :

Continuous assessment (during workshops, seminars, laboratory classes) k_1	Control works (if any), k_2	Individual assignment (if any), k_3	Final assessment (for courses with exams), k_4
0,3	0,3	0,1	0,3

The sum of the coefficients must be equal to one: $k_1 + k_2 + k_3 + k_4 = 1$. The weighting coefficients for the final assessment are decided by the course developer..

The final grade is calculated using the following formula:

$$G = C \cdot k_1 + K \cdot k_2 + I \cdot k_3 + E \cdot k_4$$

where: C – weighted average score for the continuous assessment

I – individual assignment grade

K – weighted average score for the continuous assessment

E – final assessment (exam) grade

$$C = \frac{C_1 \cdot a_1 + C_2 \cdot a_2 + \dots + C_n \cdot a_n}{\sum_{i=1}^n a_i}$$

де: a_i - weighting coefficient for each workshop (seminar) or laboratory class.

$$K = \frac{K_1 \cdot b_1 + K_2 \cdot b_2 + \dots + K_m \cdot b_m}{\sum_{i=1}^m b_i}$$

де: b_i - weighting coefficient for each control work.

The assessments for each component (C, K, I, etc.) are based on a 100-point scale in line with the provisions of the "Criteria and System for Assessing Knowledge and Skills, and Rating of Higher Education Students" of the National Technical University "Kharkiv Polytechnic Institute."

The final grade is finalized as the calculated value of G , rounded up to the nearest integer.

Grading scale

Total points	National	ECTS
90–100	Excellent	A
82–89	Good	B
75–81	Good	C
64–74	Satisfactory	D
60–63	Satisfactory	E
35–59	Unsatisfactory (requires additional learning)	FX
1–34	Unsatisfactory (requires repetition of the course)	F

Norms of academic integrity and course policy

Students must adhere to the Code of Ethics of Academic Relations and Integrity of NTU "KhPI": to demonstrate discipline, good manners, kindness, honesty, and responsibility. Conflict situations should be openly discussed in academic groups with a lecturer, and if it is impossible to resolve the conflict, they should be brought to the attention of the Institute's management.

Regulatory and legal documents related to the implementation of the principles of academic integrity at NTU "KhPI" are available on the website: <http://blogs.kpi.kharkov.ua/v2/nv/akademichna-dobrochesnist/>

Approval

Approved by

29.08.2025

Head of the department

Svitlana CHERNIAVSKA

Guarantor of the educational program

Sergii YEVSEIEV