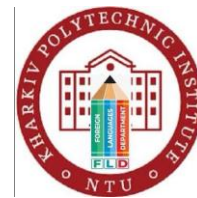




Syllabus Course Program



FOREIGN LANGUAGE

Specialty

113 Applied Mathematics

Educational program

Intelligent Data Analysis

Level of education

Bachelor's level

Semester

1, 2, 3, 4, 7, 8

Institute

Educational and Scientific Institute of International Education

Department

Foreign Languages Department

Course type

General, Mandatory

Language of instruction

Ukrainian, English

Lecturers and course developers

**Koliada Iryna Valeriivna**

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Senior lecturer of the Foreign Languages Department of NTU "KhPI".

Author and co-author of 40 scientific and educational and methodical works, including: 18 articles, 25 theses, 15 educational and methodical recommendations, 8 workbooks, 2 manuals, 2 monographs, 2 textbooks. Work experience since 2009. Teaching the disciplines "English for Specific Purposes", "Foreign Language", "English for Academic Purposes".

More about the lecturer on the department's website:

<http://web.kpi.kharkov.ua/foreign/shtat-kafedri/>

General information

Summary

The course "Foreign Language" is a basic educational discipline. It is studied in 1-4 and 7-8 semesters, covers all aspects of language skills: listening, dialogic and monologue speech, various types of reading, written communication, searching for information in a foreign language, academic oral and written communication, and is discipline of special compulsory training for specialty 1113 - "Applied Mathematics". The discipline is taught in the 1st, 2nd, 3rd, 4th, 7th and 8th semesters in the amount of 360 hours (12 ECTS credits), in particular: practical classes – 188 hours, independent work – 172 hours. The study of the discipline ends with an exam\ a credit test.

Course objectives and goals

To develop students' general and professionally-oriented communicative language competences which are necessary for communication in familiar situations that occur in academic and professional environment.

Format of classes

Classes, consultations, independent work. Formative assessment: practice tests. Final assessment: credit test /exam.

Competencies

GC 07. Ability to search, process and analyze information from various sources.

GC 11. Ability to work in an international context.

SC 13. Ability to search, systematically study and analyze scientific and technical information, domestic and foreign experience related to the application of mathematical methods for the study of various processes, phenomena and systems.

SC 17. Ability to effectively communicate professionally in writing and orally in Ukrainian and one of the official languages of the EU.

Learning outcomes

LO 16. To demonstrate the skills of interacting with other people, the ability to work in a team.

LO 20. To demonstrate professional communication skills, including oral and written communication in Ukrainian and at least one of the official languages of the EU.

Student workload

The total scope of the course is 360 hours. (12 ECTS credits): no lectures, practical classes – 188 hours, self-study – 172 hours.

Course prerequisites

Successful completion of the course requires a complete general secondary education.

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

Conversations (with the teacher and classmates), work in pairs and groups, performing situational tasks, working with textbooks and manuals, role-playing games, writing letters, documents, annotations, abstracts, searching for information in printed literature on the assignment.

Program of the course

Topics of the practical classes

Content unit No. 1 (Communication in academic and professional environments):

Practical lesson 1-2:

Topic: Acquaintance. Greeting. Personal information. Filling out personal information forms.

Practical lesson 3-4:

Topic: Description of everyday life and educational experience

Practical lesson 5-6:

Topic: Exchange of information (oral and written) and discussion of news

Practical lesson 7-9:

Topic: Reading and understanding instructions, notices, announcements, etc

Practical lesson 10-12:

Topic: Communication while traveling

Practical lesson 13-14:

Topic: Telephone conversations. Scheduling appointments by phone

Practical lesson 15-16:

Topic: Communication in social networks and virtual learning environment

Content unit No. 2 (Search and processing of information):

Practical lesson 17-20:

Topic: Language of communication

Practical lesson 21-24:

Topic: Description of processes

Practical lesson 25-28:

Topic: The world around us

Practical lesson 29-32:

Topic: Teaching aids

Content unit No. 3 (Formulation of ideas):

Practical lesson 33-36:

Topic: Discovering the past

Practical lesson 37-39:

Topic: Job satisfaction

Practical lesson 40-42:

Topic: Presenting ideas

Practical lesson 43-45:

Topic: Environmental problems. Alternative points of view

Practical lesson 46-47:

Topic: Work environment

Content block No. 4 (Presentation of information):

Practical lesson 48-49:

Topic: Linguistic and non-linguistic means of presentation. Use of language

Practical lesson 50-51:

Topic: Introduction to the presentation. Greeting

Practical lesson 52-53:

Topic: Introduction to the presentation. Organization of the presentation

Practical lesson 54-56:

Topic: Structuring the presentation material

Practical lesson 57-58:

Topic: Use of visual materials

Practical lesson 59-61:

Topic: Interpretation of graphic information

Practical lesson 62-64:

Topic: Organization of conclusions. Responding to questions

Content block No. 5-6 (Preparing for the international exam):

Practical lesson 65-67:

Topic: Listening to find information. Answers to special questions.

Practical lesson 68-70:

Topic: Listening for general understanding of information. Reproduction of information.

Practical lesson 71-74:

Topic: Development of dialogical speech.

Practical lesson 75-77:

Topic: Critical listening. Expressing and explaining thoughts.

Practical lesson 78-80:

Topic: Reading in order to find information. Filling out forms and tables.

Practical lesson 81-83:

Topic: Reading for general understanding. Writing reports.

Practical lesson 84-86:

Topic: Critical reading. Writing abstracts and essays.

Practical lesson 87-90:

Topic: Extensive reading. Writing essays.

Self-study

Classes 1-4

Filling out the forms. Giving Personal Information

Classes 5-9

Describing personal daily routine and biography

Classes 10-14

Writing an E-mail to the teacher describing your hobby

Classes 15-19

Writing instructions on familiar procedures

Classes 20-24

Describing one of your trips. Roleplay one of the dialogues on the topic Travelling

Classes 25-28

Describing the Procedure of Telephoning.

Classes 29-30

Networking / Socialising in VLE.

Classes 31-36

Find the information on different types of Languages (natural, programming, artificial etc.)

Classes 37-43

Describing the process of ... (according to your major)

Classes 44-52

Describing native place

Classes 53-60

Describing the graph

Classes 61-63:

Formulate your own advice for a good conclusion.

Classes 64-67:

Prepare answers to possible questions

Classes 68-70:

Prepare 10 questions for classmates based on the text of the topic

Classes 71-74:

Prepare a dialogue discussing the current topic

Classes 75-77:

Prepare an explanation of your attitude to the discussed ideas

Classes 78-80:

Find information on the discussed topic in various sources and fill out the form

Classes 81-83:

Read materials on the subject of diploma theses and write a short report

Classes 84-86:

Write an abstract for your theses

Classes 87-90:

Write an extended essay on several articles on the topic of your research

Informal education

Within the framework of non-formal education according to the relevant Regulation (<http://surl.li/pxssv>), the educational component or its separate topics can be taken into account in case of independent completion of professional courses/trainings, obtaining civic education, online education, professional internship, etc. In particular, individual topics of this component may be taken into account upon successful completion of the following courses:

1. Topic: Acquaintance. Greeting. Personal information. Filling out personal information forms.
<https://learnenglish.britishcouncil.org/online-courses>

2. Topic: Exchange of information (oral and written) and discussion of news
<https://www.coursera.org/specializations/learn-english-writing-grammar-complex-sentences>

3. Topic: Listening in order to find information. Answers to special questions.

<https://www.coursera.org/specializations/speaklistenenglish>

4. Topic: Introduction to the presentation. Organization of the presentation

<https://www.coursera.org/learn/enpublicspeaking>

5. Topic: Development of dialogical speech

<https://www.coursera.org/learn/english-for-interactions-in-the-workplace-intermediate-level>

Course materials and recommended reading

1. Eric H. Glendinning. Oxford English for Information Technology: Student's book. / Eric H. Glendinning. – Oxford: Macmillan, Eric H. Glendinning 2019. -137p. [Electronic resource]

<https://archive.org/details/pdfy-oWTCGITJmSHLDmGV/page/n7/mode/2up>

2. Professional English in use. Publishing and Printing: навчальний посібник для студентів спеціальності 186 «Видавництво та поліграфія» / КПІ ім. Ігоря Сікорського ; уклад.: І. І. Антоненко, І. П. Борковська, Н. В. Чижова. – Електронні текстові дані (1 файл: 6,2 Мбайт). – Київ : КПІ ім. Ігоря Сікорського, 2021. – 169 с. [Електронний ресурс]

<https://ela.kpi.ua/handle/123456789/42218>

3. Diana Hopkins, Pauline Cullen. IELTS Grammar for Bands 6.5 and above. Cambridge University Press, 2021. – 268p. [Electronic resource]

<https://www.ieltsdaily.ir/static/downloads/IELTS%20GRAMMAR%20CAMBRIDGE%206.5%20AND%20ABOVE.pdf>

4. Functional structures of academic English. Методичні вказівки до практичних занять з курсу «Англійська мова за професійним спрямуванням» для студентів всіх спеціальностей / уклад. Лазарева О. Я., Ковтун О.О., Дьомочка Л.В., Харків: НТУ «ХПІ», 2019. – 44с.

<https://repository.kpi.kharkov.ua/handle/KhPI-Press/40643>

5. Доронкіна, Н. С. Практикум англomовного професійного спрямування. Збірник текстових завдань: навчальний посібник / Н. С. Доронкіна, Л. В. Ломакіна ; КПІ ім. Ігоря Сікорського. – Електронні текстові дані (1 файл: 153 Кбайт). – Київ : КПІ ім. Ігоря Сікорського, 2021. – 82 с. [Електронний ресурс]

<https://ela.kpi.ua/handle/123456789/39752>

6. O'Dell Felicity. Objective Advanced. Student's Book. 4th ed. / O'Dell Felicity, Broadhead Annie. – Cambridge University Press, 2019. - 232p. [Electronic resource]

http://univer.nuczu.edu.ua/tmp_metod/1352/Black M. Capel A. Objective IELTS student%27s book.pdf

Додаткова література

7. Сковронська І. Ю. English for Information Technology and Computing: інтерактивний навчальний посібник / І. Ю. Сковронська, Л. І. Кузьо, Т. П. Дяк. - Львів: Львівський державний університет внутрішніх справ, 2022. - 228 с. [Електронний ресурс]

<http://dspace.lvduvs.edu.ua/handle/1234567890/4433>

8. Запотічна Р. А. English for Specific Purposes: Economics in Use. (Англійська мова для спеціальних цілей: Економіка у практиці) : навчальний посібник / Р. А. Запотічна. – Львів: Львівський державний університет внутрішніх справ, 2021. - 88 с. [Електронний ресурс]

<http://dspace.lvduvs.edu.ua/handle/1234567890/3797>

9. English grammar tests: methodological recommendations for students' independent work / L. G. Budanova, O. V. Karasyova, N. V. Latunova, I. S. Latunov ; ed. by L. G. Budanova. – Kharkiv : NUPh, 2019. – 63 p. [Electronic resource]

<http://dspace.nuph.edu.ua/handle/123456789/18931>

10. Budanova, L. G. Test your vocabulary : the collection of tests for independent students' work / L.G. Budanova, O. V. Shcherbina. - Kharkiv : NUPh, 2019. – 48 p. [Electronic resource]

<http://dspace.nuph.edu.ua/handle/123456789/18928>

11. O.Lazareva, O.Kovtun, L.Dyomochka. Science speaks English. Kharkiv: NTU “KhPI”, 2019. – 276p.

<https://repository.kpi.kharkov.ua/handle/KhPI-Press/40641>

Assessment and grading

Criteria for assessment of student performance, and the final score structure

100% final assessment in the form of an exam/credit test (40%) and progress tests (60%)
40% - exam/a credit test
60% - progress tests
Exam: written task, listening task, reading task and speaking.
Progress tests: 3 online tests (20% each).

Grading scale

Total points	National	ECTS
90-100	Excellent	A
82-89	Good	B
74-81	Good	C
64-73	Satisfactory	D
60-63	Satisfactory	E
35-59	Unsatisfactory (requires additional learning)	FX
0-34	Unsatisfactory (requires repetition of the course)	F

Norms of academic integrity and course policy

The student 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

Date, signature
29.08.2024



Head of the Department
Tatiana GONCHARENKO

Date, signature
29.08.2024



Guarantor of the Educational Program
Olena AKHIEZER