



**Practical foreign language course for scientific
communication.
Part 1 (English)
Curriculum (Syllabus)**

Course details	
Level of higher education	Second (Master's)
Field of knowledge	C - social sciences, journalism, information and international relations
Specialisation	C5 Sociology
Educational programme	Social Data Analytics
Status of discipline	Mandatory
Form of study	Full-time (day)
Year of study, semester	1st year (1st and 2nd semesters)
Scope of the discipline	3 credits (ECTS). Total scope of the discipline 90 hours: practical classes – 60 hours, independent work – 30 hours.
Semester assessment/ assessment	modular control work (1st semester), test (2nd semester)
Class schedule	1 class per week according to the schedule http://rozklad.kpi.ua/
Language of instruction	English
Information about the course leader/teachers	Department lecturers: KAMGS No. 3 - http://kamgs3.kpi.ua/ Responsible: Prof. Iryna Simkova Email simkova.iryna@iit.kpi.ua
Course location	The course is hosted on the Sikorsky platform and in the Electronic Campus system. Access mode: by invitation of the teacher

Curriculum

1. Description of the course, its purpose, subject matter and learning outcomes

The course "Practical Foreign Language Course for Scientific Communication (English)" is part of the basic training of master's students and provides language knowledge and communication skills at the level necessary for effective communication in a scientific environment. The programme of the discipline is developed in accordance with a comprehensive approach to the subject system of education and provides for the integration of social, natural, technical and other knowledge and its comprehensive application in scientific research.

The aim of the course is to develop students' professionally-oriented foreign language skills in listening, speaking, reading, writing and translation at an advanced level (B2+), the development of professionally-oriented linguistic and sociocultural competence, educational-strategic and pragmatic competences.

In particular, after completing the course, students will be able to demonstrate **the following learning outcomes**: understand the main ideas and recognise relevant information during discussions, debates, reports, conversations and lectures related to their studies and specialisation;

- clearly express and argue their own views and opinions on current topics in an academic environment (at seminars, conferences, meetings);
- give prepared individual presentations on a wide range of scientific and professional topics;
- understand authentic texts related to education and specialisation from textbooks, popular and specialised magazines, and Internet sources;
- prepare and produce scientific and technical documentation (letters, applications, reports, etc.);
- be able to translate complex sentences, determine and translate the necessary meaning of polysemous words, and know special methods of translating certain forms and constructions related to sentence restructuring;
- understand the peculiarities of the functioning of texts of various types of scientific and technical literature: technical books, monographs, articles from technical journals, technical descriptions, patents, technical reference books, catalogues;
- be able to use supporting literature, especially specialised dictionaries and reference books, when analysing foreign-language information in their field and performing translations

While studying the discipline, students acquire **general competencies**:

- the ability to communicate in the national and foreign languages, both orally and in writing
- interpersonal communication skills.

The acquired competencies form **the following program learning outcomes** in students:

- the ability to communicate freely in the national and English languages, both orally and in writing, to discuss scientific and professional issues, in particular scientific problems in the field of electronics, automation, electronic communications and a wider range of engineering issues, and to present the results of research and innovative projects.

In accordance with the requirements of the ONP, the aim of teaching the academic discipline is to develop the following abilities in students as future professionals:

- ZK 04 - Ability to work in an international context.
- FK 05 - Ability to discuss the results of sociological research and projects in Ukrainian and foreign languages.
- FK 08 - Ability to cooperate with European and Euro-Atlantic institutions.

In accordance with the requirements of the educational and scientific programme, after completing the course, students must demonstrate the following learning outcomes:

- PRN 05 - Search for, analyse and evaluate the necessary information in scientific literature, databases and other sources.
- PRN 06 - Communicate freely, both orally and in writing, in Ukrainian and one of the foreign languages when discussing professional issues, research and innovations in the field of sociology and related sciences, including in the context of cooperation with European and Euro-Atlantic institutions.
- PRN 08 - Clearly and unambiguously convey knowledge, own conclusions and arguments on issues of sociology and related fields of knowledge to specialists and non-specialists, in particular to students.

2. Prerequisites and post-requisites of the discipline (place in the structural-logical scheme of training under the relevant educational programme)

Prerequisites: foreign language proficiency level not lower than B2, which is the standard for bachelor's degree programmes, acquired as a result of successful completion of the course "Practical Course in Foreign Language for Professional Purposes" and is tested during the single entrance exam ("SEI").

Post-requirements: achievement of a foreign language proficiency level of B2+, which, according to the Common European Framework of Reference for Languages, is necessary for effective foreign language communication by engineers in a professional environment.

3. Contents of the discipline

Thematic plan of the educational component
Topic 1. Understanding the importance of researcher profiles
Topic 2. Creating an effective researcher profile
Topic 3. Showcasing your work
Topic 4. Exploring researcher networking platforms
Topic 5. Setting up and managing your researcher profile
Topic 6. Formulating research questions
Topic 7. Strategies
Topic 8. Social change and social conflicts.
Topic 9. Resolving workplace conflicts.
Topic 10. Designing compelling visuals
Topic 11. Success.
Topic 12 Overcoming challenges
Topic 13 Advice for start-ups
Topic 14 Development in online business
Topic 15 Social media

4. Teaching materials and resources

Basic literature:

1. Iwonna Dubiska, Margrett O'keefee. (2017). Market Leader. Business English Course book. Longman. 186 p.
2. English for Scientists. For students of the humanities [Electronic online educational publication]: textbook/2nd revised and expanded edition. I.O. Simkova, A.V. Medvedchuk, K.R. Tulyakova. – Electronic test data (1 file, 13.3 MB). – Kyiv: Igor Sikorsky Kyiv Polytechnic Institute, 2024. – 310 p.

Supplementary literature:

1. Dooley J. Grammarway 1 / Jenny Dooley, Virginia Evans. – Express Publishing, 2004. – 142 p.
2. Murphy R. English Grammar in Use / Raymond Murphy. – Cambridge: Cambridge University Press, 1992. – 328 p.
3. Mark Foley, Diane Hall. My Grammar Lab.– Pearson Education Ltd, 2017.–371 p.

Online resources:

<https://learnenglish.britishcouncil.org/en/english-emails>

<https://esol.britishcouncil.org>

<https://learnenglishteens.britishcouncil.org/>

<https://www.bbc.co.uk/learningenglish/>

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

<https://www.ieee.org/>

<https://passport.garneteducation.com/>

Educational content

5. Methodology for mastering the educational component

The general methodological approach to teaching the educational component "Practical Foreign Language Course for Scientific Communication. Part 1" is defined as communicative cognitive and professionally oriented, according to which the student – the subject of learning and future specialist – is at the centre of the educational process.

The main teaching methodology is the communicative methodology, which involves teaching a foreign language as a skill and a means of communication in a professional environment using authentic professionally oriented materials.

Practical classes are aimed at acquiring knowledge, developing and improving communication skills and abilities in a foreign-language academic environment, effectively working with authentic scientific sources, and developing and improving foreign-language academic written communication skills and abilities.

N o.	Topic	Classroom and hours
1st semester		
1	Topic 1. Understanding the importance of researcher profiles Introduction to the course. Practical task: completion of entrance testing.	2
2	Topic 1. Understanding the importance of researcher profiles Practical task: completing exercises related to the topic of the lesson.	2
3	Topic 2 Creating an effective researcher profile Practical task: completing exercises related to the topic of the lesson	2
4	Topic 2 Creating an effective researcher profile Practical task: completing exercises related to the topic of the lesson	2
5	Review of the material studied. Current testing.	2
6	Topic 3 Showcasing your work Practical task: completing exercises related to the topic of the lesson.	2
7	Topic 4 Exploring researcher networking platforms Practical task: completing exercises related to the topic of the lesson.	2
8	Topic 5. Setting up and managing your researcher profile Practical task: completing exercises related to the topic of the lesson	2
9	Topic 6. Setting up and managing your researcher profile Practical task: completing exercises related to the topic of the lesson	2
10	Topic 7 Formulating research questions Practical task: completing exercises related to the topic of the lesson	2

11	Topic 8 Strategies Practical task: completing exercises related to the topic of the lesson	2
12	Presentations on professional topics. Discussion and mutual evaluation of presentations.	2
13	Review of the material studied. Preparation for the modular control work.	2
14	Modular control work	2
15	Analysis of the results of the modular control work. Summing up of the semester.	2
2nd semester		
16	Topic 9. Social change and social conflicts Practical task: diagnostic testing; completion of exercises on the topic of the lesson.	2
17	Topic 9. Social change and social conflicts Practical task: completing exercises related to the topic of the lesson.	2
18	Topic 10 Designing compelling visuals Practical task: completing exercises related to the topic of the lesson.	2
19	Topic 10 Designing compelling visuals Practical task: completing exercises related to the topic of the lesson	2
2	Review of the material studied. Current testing.	2
21	Topic 11 Success Practical task: completing exercises related to the topic of the lesson	2
2	Topic 11. Success. Practical task: completing exercises related to the topic of the lesson	2
2	Topic 12. Overcoming challenges Practical task: completing exercises related to the topic of the lesson	2
2	Topic 12. Overcoming challenges Practical task: completing exercises related to the topic of the lesson	2
25	Topic 13. Advice for start-ups Practical task: completing exercises related to the topic of the lesson	2
26	Topic 14. Online business Practical task: completing exercises related to the topic of the lesson	2
27	Topic 14. Development in online business Practical task: completing exercises related to the topic of the lesson	2
2	Topic 15. Social media Practical task: completing exercises related to the topic of the lesson	2
2	Review of the material studied. Preparation for the final test.	2
30	Final test	2
TOTAL		60

6. Independent work

Independent work is the main means of assimilating educational material outside of class time and includes: preparation for practical classes, studying additional material, preparation for presentations, modular control work and exams, and completion of individual assignments. Individual assignments are one of the forms of independent learning, which aims to deepen, generalise and consolidate the knowledge, skills and abilities that students acquire in the process

of formal learning. Typical individual assignments may include: completing tasks on the Sikorsky platform, competitive creative works, interactive posters and presentations, virtual trips, writing essays, completing exercises of varying degrees of difficulty on an individual basis, etc.

Distribution of hours between classroom and independent work

Names of content modules	Number of hours		
	Total	Including	
		Practical	SRC
1 semester			
Practical classes	36	28	6
Modular control work	4	2	4
Presentation on a professional topic	5	-	5
Total (1 semester)	45	30	15
2nd semester			
Practical classes	37	28	9
Final test	2	2	0
Credit	6	-	6
Total (2nd semester)	45	30	15
TOTAL	90	60	30

Policy and control

7. Educational component policy

The educational component "Practical Foreign Language Course for Scientific Communication. Part 1" is exclusively practical in nature, therefore, for successful learning, it is necessary to study the materials for preparation for practical classes on the topics, work with basic and additional literature.

All necessary teaching materials are posted by the lecturer in the Sikorsky online environment, which is accessible to students studying this educational component.

Students receive up-to-date information on the organisation of the educational process for the discipline through messages on the Electronic Campus or through the official channel of the department in the Telegram messenger. During blended or distance learning, practical classes are held in the format of video conferences on the Zoom/Google Meet/Microsoft Teams/Blue Button/Discord platform.

Assessment is carried out according to an agreed rating system. Expected learning outcomes, control measures and deadlines are announced to students at the first class.

Bonus points may be awarded for participation in scientific and practical conferences, competitions, and in the case of recognition of learning outcomes acquired through non-formal and/or informal education.

Bonus points for participation in events of various levels may constitute no more than 10% of the total rating, i.e. no more than 10 points per year.

Type of event/Level	International	All-Ukrainian	University
Scientific conference with a presentation in a foreign language	5	4	2.5-0.5

Creative works competition with presentation in a foreign language	5	4	2.5-0.5
Foreign language Olympiad	5	4	2.5-0.5

Academic integrity

Students must adhere to the Code of Honour of Igor Sikorsky Kyiv Polytechnic Institute, the principles of academic integrity and the norms of ethical behaviour: to demonstrate discipline, politeness, friendliness, honesty and responsibility.

The policy and principles of academic integrity are defined in Section 3 of the Code of Honour of the National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute". For more details, please visit: <https://kpi.ua/code>

Standards of ethical behaviour

The standards of ethical conduct for students and employees are defined in Section 2 of the Code of Honour of the National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute". For more information: <https://kpi.ua/code>

8. Types of control and rating system for assessing learning outcomes (RSO)

Ongoing assessment. The lecturer regularly enters the results of ongoing assessment into the "Ongoing Assessment" module of the Electronic Campus in accordance with the Regulations on ongoing, calendar and semester assessment at Igor Sikorsky Kyiv Polytechnic Institute. For more details, please visit: https://document.kpi.ua/2020_7-137. Students can view the results of current assessment in their personal account on the Electronic Campus.

During the first class of the autumn semester, students are introduced to the rating system of assessment (RSA) for the discipline, which is based on the Regulations on the system of assessment of learning outcomes https://document.kpi.ua/files/2020_1-273.pdf

In particular, a student's rating for a discipline consists of points that can be obtained for answers in practical classes during two semesters and for completing the MCW in the first semester and the final test in the second semester. During the first class of each semester, entrance and current testing is conducted, the results of which are not included in the student rating.

According to the Regulations on ongoing, calendar and semester control of learning outcomes at Igor Sikorsky KPI (<https://osvita.kpi.ua/node/32>) and the Regulations on conducting semester control in a distance mode (<https://osvita.kpi.ua/node/368> calendar control - attestation - is conducted on the 7th and 13th

weeks of each semester and is implemented by determining the level of compliance of the student's current performance rating with the criteria specified in the RSO.

N o.	Type of event	%	Weight and score	Number	Total
1	Practical work (1st semester – 15 classes; 2nd semester – 15 classes)	75 %	2.5	30	75
2.	Presentation on a professional topic. Discussion and peer assessment of presentations. (1st semester)	5	5	1	5

3	Modular control work (1st semester)	10 %	10	1	10
4.	Final test (2nd semester)	10 %	10	1	10
				Total	10

Criteria for assessing mastery of the educational component

The maximum weighting for practical work is 2.5 points.

Assessment	Weight	Assessment criteria
Excellent	2.5	Excellent work in practical classes, complete and correct completion of educational tasks taking into account the material studied on the topic of the class (95%-100% of the volume of tasks and the number of correct answers); minor errors present
Very good	2	active work in practical classes, complete and correct performance of educational tasks taking into account the material studied on the topic of the class (at least 85%-94% of the volume of tasks); minor errors present
Good	1.5	Work in practical class, partial completion of educational tasks taking into account the material studied on the topic of the lesson (75%-84% of the volume of tasks and the number of correct answers); existing errors or answers with minor inaccuracies
Satisfactory	1	Satisfactory work in the practical class, partial completion of educational tasks taking into account the material studied on the topic of the class (65%-74% of the volume of tasks and the number of correct answers); errors or answers with inaccuracies; if the applicant is not prepared for the practical class but is actively working on using the material of the practical class, the work will be assessed according to this criterion
Sufficient	0.5	work in the practical lesson, completion of educational tasks taking into account the material studied on the topic of the lesson (60-64% of the volume of tasks and the number of correct answers); gross errors or answers with inaccuracies; if the applicant is not prepared for the practical class but is actively working on using the material from the practical class, the work will be assessed according to this criterion
Unsatisfactory	0	the applicant is not prepared for the practical class; does not work during the practical class

The assessment of preparation and presentation performance is based on the following criteria:

1. Content and structure (1 point):

- Relevance to the topic: adherence to the main topic and task of the presentation.
- Structure of the text and presentation: presence of an introduction, main part,

conclusion and references to sources used, as well as whether their functions have been fulfilled.

- Logical organisation: presence of a clear and consistent logical distribution of ideas and arguments in the presentation.
- Reasonableness of arguments: assessment of the presence of arguments, examples, and evidence that support the ideas of the presentation.

2. Language competence (1 point):

- Grammatical correctness: assessment of the presence of grammatical errors in the text.
- Lexical choice: assessment of the use of words and expressions of general and professional use.
- Text integrity and coherence: assessment of the appropriateness of the chosen writing style, use of different types of sentences, connections between sentences and paragraphs.

3. Public speaking skills (2 points):

- Speech competence: assessment of grammatical correctness, lexical choice, integrity and coherence of the speech; assessment of pronunciation, intonation, logical pauses and speech tempo.
- Posture and gestures: use of appropriate posture, gestures and facial expressions by the applicant during the speech.
- Ability to use presentation tools: assessment of the quality of slides, their content, graphic design and the relationship between text and graphics, the applicant's ability to present information on slides.

4. Answers to questions (1 point):

- Speech competence: assessment of grammatical correctness, lexical choice, integrity and coherence of the answer; assessment of pronunciation, intonation, logical pauses and speech tempo.
- Depth and clarity of answers: assessment of the applicant's ability to answer questions with sufficient depth and understanding of the topic, to express thoughts clearly and concisely.

Calendar control (CC) of students is carried out according to the current rating. The condition for satisfactory certification is that the student's current rating is not less than 50% of the maximum possible at the time of calendar control.

CC term		Weight	Number	Maximum value of the current rating	Minimum value of the current rating (50%)
1 semester	7 weeks (first CC)	2.5	7	17.5	8.75
	13 weeks (second CC)	2.5	13	32.5	16.25
2nd semester	Week 7 (third CC)	2.5	26	75	35
	13 weeks (fourth CC)	2.5	32	80	40

The modular control work (MCW) is conducted to check students' mastery of the module material in the penultimate class of the autumn semester, and **the final test (FT)** is conducted in

the penultimate class of the spring semester. The purpose of the MCW and FT is to test the level of language skills in listening, reading, grammar, writing and speaking.

The MCW/FT consists of 7 tasks:

- 1) Listening comprehension (5 questions). Maximum score – 10 points, each question – 2 points.
- 2) Reading comprehension (10 questions). Maximum score – 20 points, each question – 2 points.
- 3) Reading comprehension to test the student's vocabulary skills (10 questions). Maximum score – 10 points, each question – 1 point.
- 4) Grammar task (20 sentences). Maximum number of points – 20 points, each question – 1 point.
- 5) Translation practice: translation of sentences corresponding to the programme material (10 sentences). Maximum number of points – 10 points, each question – 1 point.
- 6) A written task designed to test the ability to write a coherent and logically complete text in a foreign language. Maximum score – 10 points.
- 7) Speaking: conversation on suggested topics. Monologue: maximum number of points – 5 points. Dialogue: maximum number of points – 15 points.

To simplify the calculation, we introduce a coefficient of 0.1. Thus, the maximum number of points for MCW/FT: 100 points x 0.1 = 10 points.

In the penultimate class of the spring semester, the final calculation of the RD rating is made for students, and incentive points are added for creative work.

Students who have scored $RD \geq 60$ have the opportunity to: points

- receive a credit grade (credit) automatically according to their rating. In this case, *RD* points and corresponding grades are entered into the credit and examination record;
- take a credit test in order to improve their grade.

If the test score is higher than the "automatic" rating, the student receives a grade based on the results of the test.

If the test score is lower than the "automatic" rating, a "strict" RSO is applied – the student's previous rating is cancelled and they receive a grade based on the results of the test.

Students who have scored less than 60 points in the educational component over two semesters are required to take the test.

Structure of the test:

Test task No. 1 (listening comprehension).

Maximum number of points – 10, each question – 2 points. Test tasks No. 2, No. 3 (reading).

Maximum number of points – 20, each question – 2 points. Test task No. 4 (vocabulary).

Maximum number of points – 10, each question – 1 point. Test task No. 5 (grammar knowledge).

Maximum number of points – 20, each question – 1 point. Test tasks №6, №7 (translation practice).

Maximum number of points – 10, each question – 1 point.

Test task No. 8 (writing). Maximum number of points – 10. Test task No. 9 (monologue and dialogue speech).

Maximum number of points – 20.

Grading scale:

95–100 points: "excellent"

85–94 points "very good"

75 – 84 points "good"

65–74 points "satisfactory"

60–64 points "sufficient" Less than
60 points "unsatisfactory"

The conversion of rating scores from the educational component for inclusion in the examination (test) record is carried out in accordance with the table:

Number of points	Grade
100-95	Excellent
94	Very good
84	Good
74-65	Satisfactory
64-60	Sufficient
Less than 60	Unsatisfactory
Admission requirements not met	Not admitted

9. Additional information on the discipline (educational component)

Recognition of learning outcomes obtained in non-formal/informal education, in particular international foreign language certificates at level C1 and above (a list of recommended international tests of English as a foreign language is provided in Appendix 1 to Order No. 13 of the Ministry of Education and Science of Ukraine dated 14 January 2016, see <http://old.mon.gov.ua/files/normative/2016-03-04/5162/nmo-13.pdf>), is regulated by the relevant current "Regulations on the recognition of learning outcomes acquired in non-formal/informal education at Igor Sikorsky Kyiv Polytechnic Institute" (<https://osvita.kpi.ua/node/179>).

To validate learning outcomes, a subject committee is created by order of the dean of the faculty, which includes: the head of the department; a scientific and pedagogical worker responsible for the educational component proposed for enrolment; a scientific and pedagogical worker of the department of the technical faculty/institute, as a rule, the curator of the applicant's academic group or his/her scientific supervisor. The subject committee reviews the submitted documents, analyses their compliance with the syllabus (work programme of the academic discipline/educational component), interviews the applicant (if necessary) and makes one of the following decisions:

1. to recognise the results obtained during informal education and count them as a semester assessment for the relevant academic discipline/educational component;
2. recognise the results obtained during informal education and credit them in accordance with the rating system as a current assessment for the relevant academic discipline/educational component, with a maximum of 15 points per academic year;
3. not to recognise the results achieved during non-formal/informal education;
4. set a date for an extraordinary assessment, in accordance with the curriculum for the academic discipline/educational component, which may be credited.

Inclusive education. The educational component may be taught to most students with special educational needs who are unable to perform tasks using personal computers, laptops and/or other technical means. For more information on ensuring the inclusiveness of education at Igor Sikorsky KPI, please visit <https://osvita.kpi.ua/node/172>.

Working programme of the academic discipline (syllabus):

Compiled by the head of the Department of AMGS No. 3, Doctor of Pedagogical Sciences, Prof. Simkova I. O.

Approved by the Methodological Commission of the Faculty of Linguistics (Minutes No. 11 of 23 May 2025)

Approved by the Methodological Council of Igor Sikorsky KPI (Minutes No. 8 of 29 May 2025)