Subject name	Foreign language (ECTS 8)
Subject/module code	XT11208
Science taught semester (s).	1st and 2nd semesters
Responsible teacher	Mamarizayeva Farangiz Zokhidjon kizi, senior teacher
Education language	Uzbek
Connection to the curriculum	Compulsory
Training hours (this including independent education)	Total hours - 240 . Auditorium (Classroom) hours - 96 Practical hours - 96 Independent learning -144 hours
ECTS	8
The purpose and tasks of subject / learning outcomes	**The purpose of teaching the subject:** **The purpose of teaching a foreign language** in non-philological areas is to teach students the oral and written forms of the language in an integrated manner, develop communication skills in various contexts, in particular, to improve their practical and theoretical knowledge of the foreign language skills being studied, and to ensure that they can freely use the acquired knowledge, skills, and competencies in professional and scientific activities. **The task of the subject** is to teach the necessary language skills and develop communication skills in an integrated manner to master the foreign language being studied at level B2 according to generally recognized international standards. In practical classes conducted in a foreign language, all language skills - listening comprehension, reading, writing, and speaking - are taught to students in an integrated manner. **Reading** - developing the skills and abilities of familiarization, skimming and careful reading; reading letters, correspondence and e-mail; reading authentic texts that reflect special materials; reading texts with special words and terms, scientific and professional literature, electronic sources and press materials; **Writing** - writing various correspondence, letters and special reports (memo CV, etc.); writing essays, statements, resumes, research work (articles, graduation qualification works); **Listening comprehension** - listening to authentic materials twice and understanding the main content, obtaining the necessary information and being able to express it; understanding daily news, reports, and the speech of film characters. **Focusing knowledge and skills on the field** **The main goal of the professional-oriented stage:** - Practical mastery of a foreign language in the professional field by types of speech; - Development of the student as a creative person; - Development of skills and abilities in translating literature in the field**.** **1. Reading:** Work on a text (1200 - 1500 points) on various topics and fields of study per week during the academic year. **2. Writing:**

	- writing greeting cards; - writing informal and formal letters; - writing a short summary of texts on various topics; - writing an essay of 200-250 words on various topics. **3. Listening comprehension:** - listening to and understanding complex authentic speech in familiar and unfamiliar contexts, including radio, internet and television programs and interviews broadcast on them. **4. Speaking:** **General topics** - about myself, about my family, work day, hobbies, spending free time, everyday life, etc.; **Social topics** - household issues, personal and professional psychology and ethics, environmental protection, global problems; **Socio-cultural topics** - cultural differences in scientific and industry-related situations, the world and the countries whose languages are being studied, their cultural and social characteristics, a foreign language and its role; **Educational topics** - the education system, continuing education, leading universities in the world, strategies for writing, reading, studying and presenting lectures, scientific articles, theses; **Topics related to the Internet and information** technologies - world and domestic scientific and technical news, achievements, discoveries and inventions, use of Internet networks, the latest technologies; **Topics related to the field of specialization** - industry trends, current topics, document management, professional ethics, negotiations, scientific and practical achievements in the field of specialization, innovative ideas and innovations, leading scientists in the field and their role in science. **Learning outcomes (Results):** Direction of knowledge and skills to the field; **The main goal of the professionally oriented stage:** - Practical acquisition of a foreign language in the professional field by types of speech; - development of the student as a creative person; - development of skills and abilities in translating literature in the field. When organizing, conducting practical exercises and assessing students' language acquisition, internationally recognized criteria for language acquisition are used: **1. 1. Listening comprehension competence:** B2 level - understands long speech given in lectures or on television, more complex speech on familiar topics, understands the main idea of the topics being discussed while listening to and watching news broadcasts on TV and radio, and understands the content of films shown in a literary language. **2. Reading competency:** B2 level - should be able to read and understand articles on current topics, and understand the content of modern prose works. This is because when reading a work, the student is expected to focus on the main idea, not on its literal translation**.** **3. Writing competence:**

	B2 level - the student should be able to provide information on topics of interest to him/her and express his/her opinions on them in writing, clearly express his/her views on the topic, negative or positive aspects in writing **4. Speaking (dialogue, monologue) competence:** **B2 level (dialogue)** - the student should be able to communicate freely with native speakers, actively participate in discussions on familiar topics, as well as interview native speakers and, in turn, answer their questions. **Monologue** - the student should be able to compose clear and detailed sentences on topics of interest to him/her, describe events and objects related to relevant topics.
Course content (topics)	**I. I. Main part (Practical training)** **1-st semester** **Lesson-1:** Text: About myself, New words and word combinations; Doing exercises; **Lesson-2:** Discussion: Talking about yourself. Text: My biography; Doing exercises; **Lesson-3:** Text: My daily life… Grammar material: Prepositions of time; Text: My working day; **Lesson-4:** Text: My day off; New words and word combinations; Doing exercises; **Lesson-5:** Text: What's hobby? New words and word combinations; Doing exercises; **Lesson-6:** Text: Sport is very important in our life; New words and word combinations; Doing exercises; **Lesson-7:** Text: Holidays; New words and word combinations; Doing exercises; **Lesson-8:** Text: Shopping; Text: Shopping at the supermarket; New words and word combinations; Doing exercises; **Lesson-9:** Text: Travelling. Grammar material: The Sentence; New words and word combinations; Doing exercises; **Lesson-10:** Text: What is your specialty? New words and word combinations; Doing exercises; **Lesson-11:** Text: My future profession; Grammar material: The Future Indefinite Tense; New words and word combinations; Doing exercises; **Lesson-12:** Text: Choosing a Career; New words and word combinations; Doing exercises; **Lesson-13:** Text: Jobs and Professions; I want to be a doctor; Grammar material: to be fe'li; New words and word combinations; Doing exercises; **Lesson-14:** Text: Ecology; Grammar material: Adjectives and Adverbs; New words and word combinations; Doing exercises; **Lesson-15:** Text: Five of the world's biggest environmental problems; New words and word combinations; Doing exercises; **Lesson-16:** Text: Global problems of today; Writing essay**;** What can common people do to protect nature? New words and word combinations; Doing exercises; **Lesson-17:** Text: Science and technology in foreign countries; New words and word combinations; Doing exercises; **Lesson-18:** Text: Development of science and technology; New words and word combinations; Doing exercises; **Lesson-19:** Text: English speaking countries; New words and word combinations; Doing exercises; **Lesson-20:** Text: London; New words and word combinations; Doing exercises; **Lesson-21:** Text: Why do we learn the English language? New words

	and word combinations; Doing exercises; **Lesson-22:** Text: The Higher Education in English speaking countries; New words and word combinations; Doing exercises; **Lesson-23:** Text: Inventions and inventors; New words and word combinations; Doing exercises; **Lesson-24:** Text: Famous inventions and inventors; New words and word combinations; Doing exercises; **2-nd semester** **Lesson 1:** Text: What do you know about energy? New words and word combinations; Doing exercises; **Lesson 2:** Text: Electricity. Text: Electric power; New words and word combinations; Doing exercises; **Lesson 3:** Text: Some facts about atoms and molecules; New words and word combinations; Doing exercises; **Lesson 4:** Text: What is radio communication? New words and word combinations; Doing exercises; **Lesson 4:** Text: What is radio communication? New words and word combinations; Doing exercises; **Lesson 5:** Text: Electricity and electronics; New words and word combinations; Doing exercises; **Lesson 6:** Text: Radio and TV Today; New words and word combinations; Doing exercises; **Lesson 7:** Text: Telegraph; Text: Telescope Text: Telephone; New words and word combinations; Doing exercises; **Lesson 8:** Text: History of Television; New words and word combinations; Doing exercises; **Lesson 9:** Text: Physics; New words and word combinations; Doing exercises; **Lesson 10:** Text: Famous personalities of the specialty: J.C. Maxwell; New words and word combinations; Doing exercises; **Lesson 11:** Text: Computer; New words and word combinations; Doing exercises; **Lesson 12:** Text: Internet Text: Internet in our life; New words and word combinations; Doing exercises; **Lesson 13:** A new microcomputer; New words and word combinations; Doing exercises; **Lesson 14:** Solar energy; New words and word combinations; Doing exercises; **Lesson 15:** Text: What is a laser? New words and word combinations; Doing exercises; **Lesson 16:** Text: Batteries; New words and word combinations; Doing exercises; **Lesson 17:** Text: The discovery of X-rays; New words and word combinations; Doing exercises; **Lesson 18:** Text: Nontraditional and renewable energy sources; New words and word combinations; Doing exercises; **Lesson 20:** Text: What is nuclear energy? New words and word combinations; Doing exercises; **Lesson 21:** Text: Optical technology; New words and word combinations; Doing exercises; **Lesson 22:** Text: Electrical units of measurement; New words and word combinations; Doing exercises; **Lesson 23:** Text: Massachusetts Institute of Technology; New words and word combinations; Doing exercises; **Lesson 24:** Text: Famous people: Isaac Newton, Alfred Nobel; New words and word combinations; Doing exercises; **III. Instructions and recommendations for practical training**

	The teacher's preparation for a practical training begins with the study of the initial documents (curriculum, thematic plan, etc.) and ends with the development of a lesson plan. The teacher should have an idea of the goals and objectives of the practical training, the amount of work that each student must perform. Methodological instructions are the main methodological document of the teacher in preparing and conducting practical training. In practical classes, emphasis is placed on developing students' speech (reading, writing, listening comprehension, speaking), language (lexical, grammatical), socio-cultural and pragmatic competencies in accordance with the requirements of the State Standard of the Republic of Uzbekistan; Also, attention is paid to developing oral and written presentation skills and qualifications on topics related to scientific, professional and everyday activities, introducing universal and national values, instilling a sense of intercultural tolerance and interethnic solidarity, and teaching terms and concepts used in scientific and professional activities; The purpose of practical classes is to understand the theory, acquire skills. It is to consciously apply it in educational and professional activities, and to develop the ability to confidently form one's own point of view. **IV. Independent learning and independent work.** Independent learning competence serves to support students' independent self-development and increase the effectiveness of professional activities. Students perform independent work on their mobile devices under the guidance of a teacher in a traditional or electronic form. **Independent study for recommended topics:** 1. Reading to understand the general content of foreign language materials, obtain some information, understand details and determine the direction (signs, indicators, etc.); 2. Writing special formal and informal letters; 3. Writing an essay that is correctly organized in form and content; 4. Preparing lectures; 5. Preparing scientific articles that are sufficiently grammatically correct in content and in an appropriate style; 6. Writing proposals, conclusions, annotations and theses; 7. Being able to write graduation theses in their fields, if necessary;
Exam form	Written
Teaching/learning and examination requirements	Complete mastery of theoretical and methodological concepts and practical knowledge of the discipline, the ability to correctly reflect the results of analysis, independently reason about the processes being studied and carry out tasks in the current, intermediate forms of control and independent work, pass written work on the final control. When drawing up final exam questions, deviations from the content of the discipline program are not allowed. The bank of final exam questions for each discipline is discussed at the meeting and approved by the head of the department. No later than 1 week before the start of the final control, tickets signed by the head of the department, enclosed in an envelope, are sealed by the Dean's office and opened 5 minutes before the start of the exam in the presence of students. Final exam duration is 80 minutes. Answers to final exam questions are recorded in copybooks with the seal of the Dean's office. After completion of the final work, the work is immediately encrypted by a representative of the Dean's office, and the copybooks are handed over to the commission for verification. From the moment of completion of the final exam, a period of 72 hours is allotted for checking and posting the results on the electronic platform.

	The teacher who taught the students in this discipline is not involved in the process of conducting the exam and checking the students' answers. Student(s) who are dissatisfied with the final exam results may submit a written or oral appeal within 24 hours of the publication of the final exam results. Complaints submitted after 24 hours from the publication of the final exam results will not be accepted.
Scope of assessment criteria and procedure	CURRENT CONTROL Purpose: Determining and assessing the student's level of knowledge, practical skills, and competencies on course topics. Instructions: The student's activity in daily classes is assessed through the student's mastery of course topics, as well as constructively interpreting and analyzing the educational material, developing module-specific skills, acquiring practical skills (in terms of quality and the specified number) and competencies, solving problem situations aimed at applying professional practical skills, working in a team, preparing presentations, etc. Current control form: Activity in lessons Preparing educational materials Working with sources within the subject Using educational technologies Working in a team Preparing presentations Working with projects. MIDTERM CONTROL Purpose: Assessing the student's knowledge and practical skills and level of mastery of lecture material after completing the relevant section of the course. Form and procedure of intermediate control: Midterm examination is held during the semester during the training sessions after the completion of the relevant module of the curriculum of the subject. Midterm examination is held once in written form within the framework of this subject. Midterm examination questions cover all topics of the subject. INDEPENDENT LEARNING Purpose: Independent learning is aimed at fully covering the content of this course, expanding the theoretical knowledge acquired, and establishing independent learning activities for students. Form and procedure of independent education: independent work assignments are completed in the form of an educational project, presentation, case study, problem solving, information search, digest, colloquium, essay, article, abstract, etc. Completed assignments for independent study are placed in the electronic system and checked based on the anti-plagiarism program and evaluated by the subject teacher. In this case, the uniqueness of the completed assignment should not be less than 60%, otherwise the assignment will not be accepted for assessment. The number of independent work assignments, depending on the nature of the subject, should not be less than 3 for one subject (module). Independent work assignments account for 60% of the points allocated for current and intermediate control. FINAL CONTROL Purpose: The final examination is held at the end of the semester to determine the level of mastery of the student's theoretical knowledge and practical skills in the relevant subject. The final examination is held at a specified time according to the examination schedule created by the Registrar's Office on the electronic platform. Requirements: The student must have passed the current control, intermediate control and independent learning assignments by the deadline for the final control type in the relevant subject. A student who has not passed the current control, intermediate control and independent learning assignments, as well as who has received a score in the range of

"0-29.9" for these assignments and control types, is not included in the final control type. Also, a student who has missed 25 percent or more of the classroom hours allocated to a subject without a reason is excluded from this subject and is not included in the final control type and is considered not to have mastered the relevant credits in this subject. A student who has not passed or was not included in the final control type and has received a score in the range of "0-29.9" for this type of control is considered to be an academic debtor.

Final control form: The final examination in this subject will be conducted in written form. If the final examination is conducted in written form, the requirements for assessment must also be reflected.

Criteria for assessing student knowledge

5 grade	100 points		Assessment criteria
5	90-100	Excellent	When a student is considered to be able to make independent conclusions and decisions, think creatively, observe independently, apply the knowledge he has gained in practice, understand, know, express, and narrate the essence of the subject, and have an idea about the subject.
4	70-89,9	Good	When the student is considered to be able to observe independently, apply the knowledge he has gained in practice, understand, know, express, and narrate the essence of the subject, and has an idea about the subject.
3	60-69,9	Satisfactory	When the student is found to be able to apply the knowledge he has gained in practice, understands, knows, can express, and narrate the essence of the subject, and has an idea about the subject.
2	0-59,9	Unsatisfactory	When it is determined that the student has not mastered the science program, does not understand the essence of the subject, and does not have an idea about the science.

Course assessment criteria and procedure

Assessment type	Total points allocated	Control (task) form	Distribution of points	Qualifying score
Current assessment	50 points	System tasks	40 points (divided by the number of tasks)	30 points
		Student activity (in seminars, practical, laboratory classes)	10 points	
Final assessment	50 points	Written assignment (5 questions)	50 points (10 points per question)	30 points

* Note: 60% of the points allocated for current and intermediate control are allocated to independent work assignments. Independent work assignments are evaluated as system assignments through the electronic platform.

Recommended Literature

Main literature:

1. Scholastic Children's Dictionary. Library of Congress Cataloging-in-Publication Data. Updating edition, June2002. New

York.
2. Scholastic Kid's Almanac. For the 21st Century. Printed in the USA. July 23, 1999.
3. The World Book Encyclopedia. A Volume1, Chicago, London.
4. Mustafoqulova H.A. – English-A collection of texts and exercises for students of the 3rd level of English language, Textbook, 2020.
5. Mustafoqulova H.A. – English for energetics - For energy specialists in the English language. Textbook, Tashkent - 2022.
6. Mustafoqulova H.A. – Practical English for energetics - For energy specialists in the English language. Textbook - 2022.
7. Mustafoqulova H.A. – English for radioelectronic devices and systems. A collection of texts and exercises for students of the 1st-2nd level of English language. Textbook - 2023.
8. Mustafoqulova H.A. – Professional English for energetics. Textbook for students of the 1st-2nd level of the Energy Department in English. 2024.
9. Mustafoqulova H.A. – Practical English for energetics – Workbook – Practical English for energetics – Workbook for energy specialists. Textbook - 2022.
10. Kurashvili E.I. "English language for students and physicists" / E.I. Kurashvili. - M.: Astrel, 2001.
11. Sikorskaya N.P. "English language for physicists" / N.P. Sikorskaya. - Minsk: Izd-vo BGU, 1981.
12. Men and women in Science. – The World Book Encyclopedia of Science. Volume 8. – Chicago. World Book, Inc. – 1991.
13. Physics today. – The World Book Encyclopedia of Science. Volume 2. – Chicago. – World Book, Inc. – 1990.
14. Boldak I.A., Alantyeva T.I., Boyarchuk O.E., Gilyova O.V. - "Mir Fiziki - Physics World" - Posobiye. GrGU, Belarus, Grodno. - 2008.
15. Lawrence, Williams. Space. Last Frontiers for Mankind. - New York. Marshall Cavendish. - 1990.
17. 16. Kubarkov G. L., Tymoshuk B. A. Sbornik novykh tem sovremennogo angliyskogo zyzyka. - Rostov-on-Don OOO. "Udacha", 2007.Starkov A. P. English for 9th form. S P, 1999.
18. "Briefing papers for student" New York 2001.
19. Barhard J. The American Experience in Education. New York, 1975.
20. The World Book Encyclopedia. U-V Volume 20, Chicago, London, Sydney, Toronto 1993.
22. Dubrovskaya S.G. I second "Angliysky zyak dlya ingenernix spesialnostey vuzov" - M. Visshaya school, 1985.
23. Ivanova K. "English for students of electrical engineering". L.: 1983.
24. Makeyeva B.M. "English language" (dlya neyazikovikh vuzov). M. Visshaya school, 1988.
25. Novitskaya T.M. Kuchin N.D. Practical grammar of the English language M. Visshaya school, 1983.
Christopher Morris, Jonny Prather. World English. New York.: 1997.

Additional literature:

1. Alovitdinova H., Radjabova D. and b. English for ESL and ESP learners. T.: TMU, 2012.

2. Ishmuhamedov R. Abduqodirov A. Pardayev A. Innovative technologies in education (practical recommendations for teachers of educational institutions). T.: Iste'dod, 2008.
3. Kerr P., Jones C. Straightforward. Intermediate. Student's book 2 nd edition. - Teacher's book. - Macmillan, 2007.
4. Scrivener J, Bingham C., Tennant A., Wassermann S. Straightforward. Intermediate. Student's book 2nd edition. - Teacher's book. - Macmillan, 2007.
6. Kirkham L., Iriskulov A., Rashidova F. A handbook for teachers of FL with reference to the CEFR. - Tashkent, 2013.
7. Salimova Laylo. "English for financiers". Tashkent – 1998.
12. Gadoyeva et al. "English" textbook – Tashkent – 2000.
13. Dusboyeva N. , Hamzayev A. "Methodical development for 1st year students of English". Jizzakh – 2005.
14. Norbekova S. "Methodical development for 2nd year students of English". Jizzakh – 2005.
15. Mustafayev B. "Methodical development for 3rd year students of English". Jizzakh – 2005.
16. Mustafokulova H.A., Em M.V. "Collection of texts and exercises for independent work of students" – Jizzakh – 2006.
17. Mustafoqulova H.A.- "English" – a textbook for students of the electroenergetics department. (Order of the Ministry of Higher and Secondary Specialized Education of the Republic of Uzbekistan dated December 07, 2020 No. 648. Registration number-648-071);
18. Mustafoqulova H.A.- English for energetic. Textbook-2022. . (ISBN-9789-943-9044-1-5).
19. Mustafoqulova H.A. - English for radio electronics and radio electronic systems. Textbook – 2023. (ISBN-978-9910-730-23-8).
20. Mustafoqulova H.A., Xolboyeva F., Murodova U., Tursunpo'latov D. - English B1 - Student's self-study work. Study guide - 2022. (ISBN-978-9943-93-91-2-7).
21. Soliev E.M. "General English" - Study guide for students of the "Transport" faculty. (Order of the Ministry of Higher and Secondary Specialized Education of the Republic of Uzbekistan No. 356 dated August 18, 2021. Registration number-356/7-147).
22. John & Liz Soars. Headway. Intermediate. Oxford University Press - 1999.
23. Adrian Tennant. Straightforward. Pre-Intermediate. Student's Book. 2-nd edition. Macmillan, 2007.

Internet resources:

1. www.teachingenglish.org.uk
2. www.elgazette.com
3. www.learnenglish.org.uk

Internet sources:

1. www.ziyonet.uz – national educational materials search site.
2. www.gov.uz – Government portal of the Republic of Uzbekistan.
3. www.google.com – international educational materials search site.
4. www.energystrategy.ru – information portal "Energy Policy and Strategy"
5. www.twirpx.com – international educational materials search site.