

**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE**  
**NATIONAL AVIATION UNIVERSITY**  
**Faculty of Linguistics and Social Communications**  
Foreign Languages and Applied Linguistics Department



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Quality Management System


**COURSE TRAINING PROGRAM**  
on  
**“Professional Foreign Language”**

Educational and Professional Program: “Industrial and Civil Engineering”  
Field of Study: 19 “Architecture and Construction”  
Speciality: 192 “Building and Civil Engineering”

Training form	Semester	Total (hours/ECTS credits)	Practicals (seminars)	Self-study	Semester Grade
Full-time	1, 2	135/4.5	68	67	Graded Test – 1 s. Examination – 2 s.

Index: CB-5-192-1/21-1.3

**QMS NAU CTP 12.01.04–01-2021**

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The Course Training Program on “Professional Foreign Language” is developed on the basis of the Educational and Professional Program “Industrial and Civil Engineering”, Curriculum and Extended Curriculum of Higher Education Seekers Training for “Bachelor” № CB-5-192-1/21, № ECB-5-192-1/21 for Speciality 192 “Building and Civil Engineering” and corresponding normative documents.

Developed by:


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Discussed and approved by the Foreign Languages and Applied Linguistics Department, Minutes № 6 of “25” 06 2021.

Head of the Department

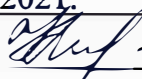
  


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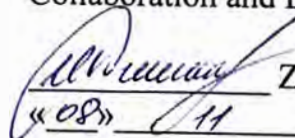
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## INTRODUCTION

The Course Training Program on “Professional Foreign Language” is developed on the “Methodical guidance for the subject course training program”, approved by the order № 249/од, of 29.04.2021 and corresponding normative documents.

### 1. EXPLANATORY NOTES

#### 1.1. Status, objectives, tasks of the subject.

**Subject status** in the system of professional training of an expert.

Teaching English is of great importance in the higher educational system of Ukraine. Being directed on communication and linked with social and special subjects, “Professional Foreign Language” makes significant contribution into the education of young people.

Learning a foreign language for specific purposes is an integral part of students’ preparing for the transition from learning a foreign language as a subject to its practical use for the professional purpose. Practical knowledge of a foreign language makes it possible to study world standards, informative literature in order to make the independent professional decision. Learning a foreign language broadens students’ horizons, stimulates their interest to the profession and increases cultural level.


The **objective** of teaching “Professional Foreign Language” for students of the educational and professional program “Industrial and Civil Engineering” is the development of their foreign language professional competence, appropriate both to the general purpose of foreign language studying as a means of intercultural communication, personal development and self-realization, and to the demands of the labour market for the experts ready to continue their education and perform professional activities in the foreign language environment.

**The tasks** of mastering the subject are as follows:

- to extend general English vocabulary and professional vocabulary;
- to develop the ability to comprehend the content of the original scientific texts and profession-oriented technical texts to obtain the required information from them, interpret and translate them while learning;
- to activate oral skills during the discussion of topics;
- to develop the ability to understand the recorded and live foreign speech;
- to develop students’ ability to communicate within the learnt topic in the form of monologue, dialogue and polylogue speech;
- to develop creative thinking skills of students.

#### 1.2. Learning outcomes the subject makes it possible to achieve.

- appropriate communication skills;
- knowledge of grammatical, lexical and stylistic features of business, scientific and professional style;

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- ability to learn and master professional knowledge and the knowledge of a foreign language and the ability to apply the acquired knowledge in practice;
- understanding of basic grammatical phenomena and the ability to use them in oral and written speech;
- ability to search, process and analyze the acquired information in English from various sources;
- ability to comprehend the content of the original oral texts (listening skills);
- ability to communicate within business and professional topics;
- ability to present material in English, participate in discussions on professional issues and clearly and reasonably express the opinion in English;
- skills of interpersonal interaction and communication in English.


### 1.3. Competences the subject makes it possible to acquire.

Learning “Professional Foreign Language” results in step-by-step development of the following competences, namely:

- *linguistic competence*: development and improvement of basic knowledge of the phonetic, lexical, grammatical and spelling system of a foreign language and the ability to apply them skillfully in the production of their own utterances;
- *communicative competence*: improvement of speaking skills (monologue and dialogue speech), listening, reading and writing skills (writing different types of written assignments to the topics of modules, such as CVs, cover letters); the ability to use the linguistic material to achieve communicative, informative, cognitive and other goals;
- *professional competence*: the ability to set and solve applied professional tasks by means of a foreign language according to up-to-date professional requirements; the ability to continuous self-education and self-development.
- *sociolinguistic competence*: the ability to understand, choose and use language forms that are in line with the context of foreign communication, and transform them according to the needs;
- *social and cultural competence*: knowledge of the peculiarities of foreign-language professional communication in the scientific field, development of the ability to build the speech behaviour in accordance with the social and cultural specific character of the country the language of which students study;
- *strategic competence*: the ability to participate in foreign language communication by choosing the proper strategy of discourse, as well as an adequate strategy for improving the effectiveness of this communication;

### 1.4. Interdisciplinary links.

The subject “Professional Foreign Language” is based on the following subjects, as: “Business Ukrainian Language”, “Physics”, “Higher Mathematics”, “Chemistry”, “Engineering Graphics”, and is a basic for studying the following subjects “Architecture of Buildings and Structures”, etc.

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## 2. COURSE TRAINING PROGRAM ON THE SUBJECT

### 2.1. The subject content

The training material of the subject is structured according to a module principle and consists of two modules:

- **module №1 “Building Materials. Basic Structural Elements of Buildings”,**
- **module №2 “Types of Buildings and Engineering Structures. Airports and Airfields”,** that are logically complete, relatively independent, integral parts of the subject, learning of which provides for the module test and the analysis of its implementation.

### 2.2. Modular structuring and integrated requirements for each module.

#### Module №1 “Building Materials. Basic Structural Elements of Buildings”.

##### Integrated requirements to module №1:

After completing module №1 a student must know:

- lexical material on the topic “Building Materials” and “Basic Structural Elements of Buildings”, required for effective communication and discussion;
- grammar aspects “Simple Sentences”, “Types of Questions”, “Tenses in Active Voice”;
- main grammatical and lexical features of translation of literature on the topic “Building Materials. Basic Structural Elements of Buildings”;
- basic rules of work with scientific and technical literature;
- morphemes and word-formation models used for creating terminology of civil engineering;
- clichés typical for scientific and professional literature.

##### Learning outcomes:

- to read and understand the original literature on the specialty in order to obtain the necessary information;
- to take part in conversations, discussions and dialogues on the topics of the module;
- understand a foreign language while listening (listening to audio, watching video on the topics of the module);
- make a presentation in English on one of the topics of Module №1;
- recognize grammatical phenomena and correlate their form with meaning when working with texts.

#### Topic 1. Stone as a building material.

Properties of stone, advantages and disadvantages of stone as a building material. History of stone application in civil engineering.

#### Topic 2. Rocks.

Classification of rocks. Volcanic, sedimentary and metamorphic rocks and their properties.





### **Topic 3. Well-known stone buildings and constructions.**

World-famous stone constructions: Taj Mahal mausoleum in India, Colosseum in Rome, the Landwasser viaduct in Switzerland. Ancient pyramids in Egypt.

### **Topic 4. Application of brick in civil engineering.**

The concept of brick, properties of brick. The advantages and disadvantages of brick as a building material.

### **Topic 5. Cement and Concrete.**

Properties of cement. Stages of cement production. The origin of cement, its types. Portland cement. Properties of concrete and its composition. Types of aggregates. Reinforced concrete. Use of concrete and reinforced concrete in modern construction.

### **Topic 6. Timber.**

Application of wood and timber in the building construction. The history of the use of wood as a building material in the USA. Timber-framed constructions. Disadvantages of timber frames.

### **Topic 7. Glass.**

Use of glass in modern building construction. Properties of glass, advantages and disadvantages. Glass facades.

### **Topic 8. Metals.**

Application of metals in civil engineering. Aluminum and its alloys, cast iron. Use of steel, iron and reinforced concrete; metal profiles, reinforcement rods

### **Topic 9. Structural elements of buildings.**

The main parts of a building. The concept of foundations. The functions of foundations and requirements to foundations. Types of foundations and their special features. Stages of foundation laying.

### **Topic 10. Types of walls.**

The types of walls in buildings (load-bearing and non-bearing walls, external and internal walls, curtain walls) and their functions. Structural elements of a wall. Architectural elements of a wall. Requirements to walls. Thermal insulation of walls.

### **Topic 11. Arch.**

Main structural elements of an arch: impost (springing line), keystone and rise. Types and shapes of an arch.

### **Topic 12. Roof and covering.**

The concept of roofs. The function of a roof. Requirement to the roof covering. Classification of roofs. Materials for coverings.

### **Topic 13. Classification of roofs.**


Flat and sloping roofs, lean-to (shed) roofs, gable roofs, hipped roofs, mansard roofs. Vaults. Elements and shapes of vaults.

### **Topic 14. Windows.**

The usage of windows. The window construction and its characteristics. Types of windows. Decorative windows. Modern windows.

### **Topic 15. Doors.**

The functions of doors and requirements to them. Types of doors according to their type, purpose, structure and opening mechanism, design. Materials for doors.

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## **Module №2 “Types of Buildings and Engineering Structures. Airports and Airfields”.**

### **Integrated requirements to module №2:**

After completing module №2 a student must **know**:

- lexical material on the topic “Types of Buildings and Engineering Structures. Airports and Airfields”, required for effective communication and discussion;
- grammar aspects “Noun”, “Article”, “Tenses in Passive Voice”, “Numeral”, “Adjectives”, “Modal verbs”;
- main grammatical and lexical features of translation of literature on the topic “Types of Buildings and Engineering Structures. Airports and Airfields”;
- basic rules of work with scientific and technical literature;
- morphemes and word-formation models used for creating terminology of civil engineering;
- clichés typical for scientific and professional literature.

### **Learning outcomes:**

- to read and understand the original literature on the specialty in order to obtain the necessary information;
- to take part in conversations, discussions and dialogues on the topics of the module;
- understand a foreign language while listening (listening to audio, watching video on the topics of the module);
- make a presentation in English on one of the topics of Module №2;
- recognize grammatical phenomena and correlate their form with meaning when working with texts.

### **Topic 1. Types of Buildings. Residential Buildings.**

Classification of buildings according to their function and purpose (residential, non-residential, industrial, commercial, public buildings) and construction technology. Types of residential buildings (detached houses, semi-detached houses, high rises, terraced houses etc.)

### **Topic 2. Public, Industrial and Commercial Buildings.**

Types of public buildings: the buildings of educational institutions, sports and facilities, buildings for health care and rest, religious buildings; transport buildings and structures. Types of industrial buildings and commercial buildings.

### **Topic 3. Skyscrapers.**

Construction of a skyscraper. Structural elements of skyscrapers. World-famous skyscrapers. Skyscrapers in Ukraine.

### **Topic 4. Transport buildings and facilities.**

Classification of transport buildings and facilities according to their function. The main requirements the carriage of passengers.

### **Topic 5. Recreational architecture.**

Varieties of recreational architecture: sports complexes, stadiums, amusement parks, public gardens halls, theatre, spa and resorts and museums.

### **Topic 6. Scientific and educational institutions.**





Types of scientific and educational institutions. Basic requirements for the design of buildings of educational institutions, research and design organizations.

### **Topic 7. Bridges.**

Construction of bridges. The main elements of bridges: spans, abutments, piers, deck. Classification of bridges by the purpose (highway bridges, railway bridges, pedestrian bridges), construction of the superstructure (beam bridges, arch bridges, cable-stayed bridges, suspension bridges, cantilever bridges, movable bridges), materials (stone, concrete, reinforced concrete bridges).

### **Topic 8. Road Design.**

Types of roads. The main elements of roads (roadbed and paving). Requirements to building materials for paving and base. History of road construction. Modern roads and stages of their construction.

### **Topic 9. Tunnels. The Channel Tunnel.**

Tunnel designing. Types of tunnels: railway tunnels, vehicular (road) tunnels, subways, navigable tunnels, hydroengineering tunnels. The Channel Tunnel, the Seikan Tunnel and the Laerdal Tunnel. Tunnels in Ukraine.

### **Topic 10. Modern architecture. Modern world wonders.**

Dynamic architecture; the workmanship of modern skyscrapers assembly; modern construction techniques; modern buildings in Europe, Asia, around the world.

### **Topic 11. The Design of a Modern Airport: Main buildings and structures.**

The structure of modern airports. Main buildings and structures of airports: passenger terminal, control tower, hangar, and cargo terminal. Functions of the main buildings and structures of airports. World-famous airports and the airports of Ukraine.

### **Topic 12. Passenger Terminal.**

Passenger terminal, its purpose and functions. Basic configurations (concepts) of passenger terminals: pier finger terminals, linear terminal, remote satellite terminals, transporter terminal, mobile lounge terminal. Terminal D of Boryspil airport.

### **Topic 13. Main Elements of the Passenger Terminal.**

Check-in desk, passport control, customs control, departure lounges, gates. The principles of technological design of the check-in area and luggage processing area. London Heathrow Terminal 5: history, its technical specifications and structure.

### **Topic 14. Airfields.**

The main elements of an airfield (runways, taxiways, apron, holding apron) and their definition. The layout of airfield elements.

### **Topic 15. Runways (RW).**

The main elements of the runway (structural pavement, side-safety line (shoulder), blast pad, runway end safety area, stopway, threshold). Runway classification according to their layout (single RW, parallel RWs, intersecting RWs, open-V RWs) and type of pavement (paved RW and ground RW).

### **Topic 16. Taxiways (TWs). Apron. Holding Apron.**

Taxiways and their purpose. Types of TWs and their purpose: main RW, exit TW, connecting TW, rapid exit TW, auxiliary TW. The purpose of an apron. The purpose of a holding apron. The design and construction of aprons and holding aprons.



### 2.3. Training schedule of the subject

Table 2.1

№	Theme (thematic section)	Academic Hours		
		Total	Practi- cals	Self- study
1	2	3	4	5
<b>Module №1 “Building Materials. Basic Structural Elements of Buildings”</b>				
1.1	Stone as a building material. Grammar: simple sentences, types of questions.	<b>1 semester</b>		
		4	2	2
1.2	Rocks. Grammar: present simple.	4	2	2
1.3	Well-known stone buildings and constructions. Grammar: numeral.	4	2	2
1.4	Application of brick in civil engineering. Grammar: present continuous.	4	2	2
1.5	Cement and Concrete. Grammar: past simple, used to.	4	2	2
1.6	Timber. Grammar: past continuous.	4	2	2
1.7	Glass. Grammar: future simple.	4	2	2
1.8	Metals. Grammar: future continuous, conditionals (1 <sup>st</sup> type).	4	2	2
1.9	Structural elements of buildings. Grammar: present perfect. Present perfect vs past simple.	3	2	1
1.10	Types of walls. Grammar: present perfect continuous.	3	2	1
1.11	Arch. Grammar: comparison of all present tenses (present simple, continuous, perfect, perfect continuous.)	3	2	1
1.12	Roof and covering. Grammar: past perfect, past perfect continuous.	3	2	1
1.13	Classification of roofs. Grammar: comparison of all past tenses.	3	2	1
1.14	Windows. Grammar: future perfect, future perfect continuous.	3	2	1
1.15	Doors. Revision of all tenses in active voice.	3	2	1
1.16	Presentations.	3	2	1
1.17	Module test №1	4	2	2
<b>Total for Module №1</b>		<b>60</b>	<b>34</b>	<b>26</b>
<b>Total for the 1<sup>st</sup> Semester</b>		<b>60</b>	<b>34</b>	<b>26</b>
<b>Module №2 “Types of Buildings and Engineering Structures. Airports and Airfields”.</b>				
2.1	Types of Buildings. Residential Buildings. Grammar: nouns (countable, uncountable), possessive case of nouns.	<b>2 semester</b>		
		5	2	3
2.2	Public, Industrial and Commercial Buildings. Grammar: article.	5	2	3
2.3	Skyscrapers. Grammar: articles with proper names.	5	2	3
2.4	Transport buildings and facilities. Grammar: articles with abstract noun, materials.	5	2	3
2.5	Recreational architecture. Grammar: numerals (ordinal and cardinal numerals).	5	2	3
2.6	Scientific and educational institutions. Grammar: numerals (measurements, fractions, formulae, scales, percents).	5	2	3
2.7	Bridges. Grammar: Adjectives, degrees of comparison.	4	2	2



1	2	3	4	5
2.8	Road Design. Grammar: Adverbs, degrees of comparison.	4	2	2
2.9	Tunnels. The Channel Tunnel. Grammar: passive voice (structure).	4	2	2
2.10	Modern architecture. Modern world wonders.	4	2	2
2.11	The design of a modern airport: Main buildings and structures. Grammar: passive voice (present tenses).	4	2	2
2.12	Passenger terminal. Grammar: passive voice (past tenses).	4	2	2
2.13	Main elements of the passenger terminal. Passive voice (future tenses).	4	2	2
2.14	Airfields. Grammar: passive voice (comparison of all tenses).	4	2	2
2.15	Runways (RW). Grammar: object questions.	4	2	2
2.16	Taxiways (TWs). Apron. Holding Apron. Presentations.	5	2	2
2.17	Module test №2	4	2	4
<b>Total for Module №2</b>		<b>75</b>	<b>34</b>	<b>41</b>
<b>Total for the 2<sup>nd</sup> Semester</b>		<b>75</b>	<b>34</b>	<b>41</b>
<b>Total for the subject</b>		<b>135</b>	<b>68</b>	<b>67</b>

## 2.4. List of Examination Questions

The list of questions and content of tasks for the preparation for the exam are developed by the leading teacher of the department according to the course training program, approved at the meeting of the department and distributed among students.

## 3. TEACHING AND METHODOLOGICAL MATERIALS

### 3.1. Teaching methods

It is recommended to use the following teaching methods during mastering the subject:

- using interactive technologies during practicals;
- written and oral home assignments;
- students’ self-study while learning theoretical material in the process of preparing to practicals;
- explanatory and illustrative method;
- problem-based learning;
- case study;
- brainstorming;
- project method,
- discussions (in the form of a “round table”, “panel discussion”, etc.);
- role plays, work in pairs and small groups;
- presentations.

### 3.2. List of references

#### Basic Literature

3.2.1. Шостак О.Г. Professional English of the Construction Industry : навч. посіб. / О.Г. Шостак, Л.М. Конопляник. – К. : Вид-во “НАУ–друк”, 2017. – 308 с.

3.2.2. Hanson, A., Dooley, J. Career Paths. Civil Engineering. – Berkshire: Express Publishing, 2017. – 120 p.



3.2.3. Virginia Evans. Round Up 5. Grammar book. – Longman, 2014. – 210 p.

### Additional Literature

3.2.4. Акмалдинова О.М. Professional English. Airport Design and Maintenance: навч. посіб. / О.М. Акмалдинова, О.Г. Шоштак. – К. : НАУ, 2012. – 292 с.

3.2.5. Brieger N. and Pohl A. Technical English Vocabulary and Grammar. – Oxford : Summer town Publishing Ltd, 2006. – 148 p.

3.2.6. Caruzzo P. Flash on English for Construction. – Provo: ELI Publishing, 2013.– 48p.

3.2.7. Fredo, E. English for Construction. Vocational English. Level 2 : Coursebook. – New York : Pearson, 2012. – 80 p.

3.2.8. Foley M. & Hall, D.. My Grammar Lab. Grammarbook. Intermediate B1–B2. – Pearson Publishing House, 2012. – 385 p.

3.2.9. Heidenreich, S. English for Architects and Civil Engineers. – Wiesbaden, Springer-Verlag, 2008. – 189 p.

3.2.10. Horonjeff, R., Mc Calvey, F., Sproule, W. Planning and Design of Airports. – 5 ed. – 2010. – 670 p.

3.2.11. Шоштак О. Англійська мова: Architecture : навч. посіб. / О. Шоштак, Л. Іщенко, Л. Конопляник, О. Фурса. – К. : НАУ, 2008. – 284 с.

### 3.3. Internet Resources

3.3.1. <https://www.futurelearn.com/courses/modern-building-design>

3.3.2. <https://www.futurelearn.com/courses/cracking-mechanics>

3.3.3. <https://www.edx.org/course/the-art-of-structural-engineering-bridges>

3.3.4. <http://er.nau.edu.ua/handle/NAU/9947>

## 4. RATING SYSTEM OF KNOWLEDGE AND SKILLS ASSESSMENT

4.1. The assessment of certain kinds of student academic work is carried out in accordance with Table 4.1.

Table 4.1

Assessment of various types of students' learning activities

Kind of Academic Activities	Max Grade
<b>Module № 1 “Building Materials. Basic Structural Elements of Buildings”</b>	
Text reading, translation and discussion, knowledge of terminology (7 texts × 5 points)	<b>1 semester</b>
	35
Text retelling (2 texts × 5 grades)	10
Conversation on topic (dialogues) (4 dialogues × 5 grades)	20
Knowledge of grammar (testing)	6
Preparing a presentation on the topic	9
To be allowed to write Module Test №1 a student is to gain not less than	48 grades
Module Test № 1	20
<b>Total for Module №1</b>	<b>100</b>
<b>Total Semester Grade</b>	<b>100</b>



**Module №2 “Types of Buildings and Engineering Structures. Airports and Airfields”**

Text reading, translation and discussion, conversation on topic ( <i>4 texts</i> × 5 grades)	<b>2 semester</b>
	20
Text retelling	5
Conversation on topic (dialogues) ( <i>4 dialogues</i> × 5 grades)	20
Knowledge of grammar (testing)	6
Preparing a presentation on the topic	9
<i>To be allowed to write Module Test №2 a student is to gain not less than</i>	<i>36 grades</i>
Module Test № 2	20
<b>Total for Module №2</b>	<b>80</b>
<b>Semester Examination</b>	<b>20</b>
<b>Total Semester Grade</b>	<b>100</b>

4.2. A student is considered to have passed the module if both his/her Current Module Grade and Module Test Grade are positive.

4.3. The sum of rating assessments received by the student for certain types of completed academic work is the current modular rating assessment, which is recorded in the module control.

4.4. The Semester Module Grade and the Semester Examination together make up a Total Semester Grade which is calculated according to the National Scale and the ECTS Scale.

In case of the Graded Test the Semester Module Grade is calculated according to the National Scale and the ECTS Scale.

4.5. The Semester Module Grade in points, the national scale and the ECTS scale is entered in the test report, study card and individual curriculum of the student (record book), for example, as follows: **92/ Excellent / A, 87 / Good / B, 79 / Good / C, 68 / Sat./D, 65 / Sat./E**, etc.

4.6. The Total Semester Grade of the subject is determined as the arithmetic average grade of the total semester grades in points (from the first to the second semesters for this subject) with its further transformation into National Scale and ECTS Scale.

The indicated Total Semester Grade of the subject is added to the Diploma Supplement.



(Ф 03.02 – 01)

### АРКУШ ПОШИРЕННЯ ДОКУМЕНТА

№ прим.	Куди передано (підрозділ)	Дата видачі	П.І.Б. отримувача	Підпис отримувача	Примітки

(Ф 03.02 – 02)

### АРКУШ ОЗНАЙОМЛЕННЯ З ДОКУМЕНТОМ

№ пор.	Прізвище ім'я по-батькові	Підпис ознайомленої особи	Дата ознайомлення	Примітки

(Ф 03.02 – 04)

### АРКУШ РЕЄСТРАЦІЇ РЕВІЗІЇ

№ пор.	Прізвище ім'я по-батькові	Дата ревізії	Підпис	Висновок щодо адекватності

(Ф 03.02 – 03)

### АРКУШ ОБЛІКУ ЗМІН

№ зміни	№ листа (сторінки)				Підпис особи, яка внесла зміну	Дата внесення зміни	Дата введення зміни
	Зміненого	Заміненого	Нового	Анульованого			

(Ф 03.02 – 32)

### УЗГОДЖЕННЯ ЗМІН

	Підпис	Ініціали, прізвище	Посада	Дата
Розробник				
Узгоджено				
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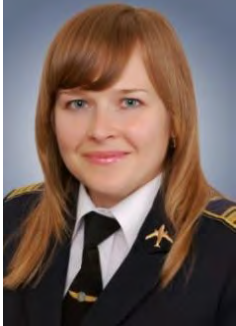
**Syllabus of Academic Discipline**  
**«PROFESSIONAL FOREIGN LANGUAGE»**  
**Educational Professional Program:** “Industrial and Civil Engineering”  
**Field of Study:** 19 “Architecture and Construction”  
**Speciality:** 192 “Building and Civil Engineering”

<b>Higher Education Level</b> (first (Bachelor), second (Master))	first (Bachelor) level
<b>Discipline Status</b>	Academic discipline of the compulsory component of the Educational and Professional Program
<b>Year</b>	1
<b>Semester</b>	1, 2
<b>Total (ECTS Credits/ Hours)</b>	4.5 credits/ 135 hours
<b>Language of Teaching</b>	English
<b>What Will be Studied (Subject of Study)</b>	Professional English for future civil engineers.
<b>Rationale (Learning Objective)</b>	The course is informative, and after its completion you will be able to communicate in English successfully with foreign colleagues in the field of civil engineering.
<b>What Can be Learnt (Learning Outcomes)</b>	The course ensures practical mastery of students’ communicative skills at the level sufficient for foreign language professional communication in four types of activities: listening, speaking, reading and writing within the topics defined by this course.
<b>How to Use the Acquired Knowledge and Skills (Competences)</b>	The course is aimed at developing foreign language communicative competence in such types of activities as listening, reading, writing and speaking, namely: the ability to understand the content of authentic texts; read and understand authentic texts of different genres and types with different levels of understanding of the content; to communicate in writing within the areas, topics and situations identified by the program; critically evaluate information and use it for different purposes; select and apply appropriate communication strategies according to different needs.
<b>Academic Logistics</b>	<b>Contents:</b> <b>Module №1 “Building Materials. Basic Structural Elements of Buildings”.</b> 1. Stone as a building material. 2. Rocks. 3. Well-known stone buildings and constructions. 4. Application of brick in civil engineering. 5. Cement and Concrete. 6. Timber. 7. Glass. 8. Metals. 9. Structural elements of buildings. 10. Types of walls. 11. Arch. 12. Roof and covering. 13. Classification of roofs. 14. Windows. 15. Doors.



	<p><b>Module №2 “Types of Buildings and Engineering Structures. Airports and Airfields”.</b></p> <ol style="list-style-type: none"><li>1. Types of Buildings. Residential Buildings.</li><li>2. Public, Industrial and Commercial Buildings.</li><li>3. Skyscrapers.</li><li>4. Transport buildings and facilities.</li><li>5. Recreational architecture.</li><li>6. Scientific and educational institutions.</li><li>7. Bridges.</li><li>8. Road Design.</li><li>9. Tunnels. The Channel Tunnel.</li><li>10. Modern architecture. Modern world wonders.</li><li>11. The Design of a Modern Airport: Main buildings and structures.</li><li>12. Passenger Terminal.</li><li>13. Main Elements of the Passenger Terminal.</li><li>14. Airfields.</li><li>15. Runways (RW).</li><li>16. Taxiways (TWs). Apron. Holding Apron.</li></ol> <p><b>Type of classes:</b> practicals <b>Teaching methods:</b> interactive and communicative methods (discussions, games, brainstorming, dialogues, presentations); work in pairs and small groups; TPS (think-pair-share), TBLT (task-based language learning). <b>Mode of study:</b> full-time</p>
<b>Prerequisites</b>	The study of the discipline is based on knowledge of the course of general foreign language (not lower than level B1), professional foreign language and professional disciplines
<b>Post-requisites</b>	Knowledge of the discipline can be used in writing abstracts and articles in English, referencing while writing articles and master's theses, making presentations, preparing documents for job application, taking part in foreign language professional communication.
<b>Information Support from the Fund and Repository of STL NAU</b>	<p><b>References:</b></p> <ol style="list-style-type: none"><li>1. Шостак О.Г. Professional English of the Construction Industry : навч. посіб. / О.Г. Шостак, Л.М. Конопляник. – К. : Вид-во “НАУ–друк”, 2017. – 308 с.</li><li>2. Акмалдинова О.М. Professional English. Airport Design and Maintenance: навч. посіб. / О.М. Акмалдинова, О.Г. Шостак. – К. : НАУ, 2012. – 292 с.</li><li>3. Evans, V. Round Up 5. Grammar book. – Longman, 2014. – 210 p.</li><li>4. Brieger N. and Pohl A. Technical English Vocabulary and Grammar. – Oxford : Summer town Publishing Ltd, 2006. – 148 p.</li><li>5. Caruzzo P. Flash on English for Construction. – Provo: ELI Publishing, 2013.– 48p.</li><li>6. Fredo, E. English for Construction. Vocational English. Level 2 : Coursebook. – New York : Pearson, 2012. – 80 p.</li><li>7. Foley M. &amp; Hall, D.. My Grammar Lab. Grammarbook. Intermediate B1– B2. – Pearson Publishing House, 2012. – 385 p.</li><li>8. Hanson, A., Dooley, J. Career Paths. Civil Engineering. – Berkshire: Express Publishing, 2017. – 120 p.</li><li>9. Heidenreich, S. English for Architects and Civil Engineers. – Wiesbaden, Springer-Verlag, 2008. – 189 p.</li><li>10. Horonjeff, R., Mc Calvey, F., Sproule, W. Planning and Design of Airports. – 5 ed. – 2010. – 670 p.</li><li>11. Шостак О. Англійська мова: Architecture : навч. посіб. / О. Шостак, Л. Іщенко, Л. Конопляник, О. Фурса. – К. : НАУ, 2008. – 284 с.</li></ol>



<b>Location and Material and Technical Support</b>	National Aviation University, Building 8, Room. 8.1102	
<b>Semester Control, Exam Procedure</b>	Graded Test, Examination	
<b>Department</b>	Foreign Languages and Applied Linguistics	
<b>Faculty</b>	Linguistics and Social Communications	
<b>Teacher</b>		<b>KONOPLIANYK LESIA MYKOLAIIVNA</b> <b>Position:</b> associate professor <b>Academic degree:</b> PhD in Pedagogics  <b>Profile:</b> <b>Phone number:</b> 406 71 46 (department) <b>E-mail:</b> lesia.konoplianyk@npp.nau.edu.ua <b>Workplace:</b> 8.1102
<b>Discipline Uniqueness</b>	The originality of the discipline lies in the opportunities for students to: improve English language proficiency, learn world standards, read and understand informative literature in order to make an independent professionally meaningful decision; broaden horizons, stimulate their interest to the profession and increase their cultural level.	
<b>Link</b>	Google Classroom	