

NATIONAL AVIATION UNIVERSITY  
Educational and Research Institute of Humanities  
Foreign Languages and Applied Linguistics Department

AGREED

Director of ER IAP

\_\_\_\_\_ O. Chemakina  
“\_\_” \_\_\_\_\_ 2017

APPROVED

Vice-Rector for Academics  
and Educative Activity

\_\_\_\_\_ T. Ivanova  
«\_\_» \_\_\_\_\_ 2017



Quality Management System

**COURSE TRAINING PROGRAM**

on

**“Foreign Language for Specific Purpose”**


Field of study: 19 “Architecture and Construction”  
Speciality: 192 “Building and Civil Engineering”  
Specialization: “Industrial and Civil Engineering”

Year of Study – 2<sup>nd</sup>, 3<sup>rd</sup> Semester – 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup>, 6<sup>th</sup>

Practicals – 153 Graded Test – 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup>, 6<sup>th</sup> semester  
Self-study – 147  
Total (hours/ECTS credits) – 300/10

Index ECB-5-192/16-3.1.1

**QMS NAU CTP 12.01.04 – 01-2017**

	Quality Management System Course Training Program on "Foreign Language for Specific Purpose"	Document code	QMS NAU CTP 12.01.04 – 01-2017
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The Course Training Program on “Foreign Language for Specific Purpose” is based on the Bachelor Extended Curriculum № ECB-5-192/16 for Speciality 192 “Building and Civil Engineering” and Specialization “Industrial and Civil Engineering”, Syllabus for this Subject, Index CB-5-192/16-3.1, approved “\_\_\_\_\_” \_\_\_\_\_ 2017 and correspondent normative documents.

Developed by:

Associate Professor of the  
Department of Foreign Languages  
and Applied Linguistics \_\_\_\_\_ L. Konoplianyk

Discussed and approved by the Department of Foreign Languages and Applied Linguistics, Record № \_\_\_\_ of \_\_\_\_\_ 2017.

Head of the Department \_\_\_\_\_ O. Shostak

Discussed and approved by the Graduate Department for the Speciality 192 “Building and Civil Engineering” and Specialization “Industrial and Civil Engineering” – Department for Computer Technologies of Construction, Minutes № \_\_\_\_ of “\_\_\_” \_\_\_\_\_ 2017.

Head of the Department \_\_\_\_\_ O. Lapenko

Discussed and approved by the Scientific-Methodological-Editorial Board of the Educational and Research Humanities Institute, Minutes № \_\_\_\_ of “\_\_\_” \_\_\_\_\_ 2017.

Head of SMEB \_\_\_\_\_ S. Yahodzinskyi

Director of the Center  
Of Advanced Technologies \_\_\_\_\_ V. Kazak

Document level – 3b

The planned term between the revisions – 1 year

**Master copy**



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## 1. INRODUCTION

The Course Training Program on the subject is developed on the basis of syllabus "Foreign Language for Specific Purpose" and "Methodical instructions for development and preparation of a syllabus and a course training program of subjects" adopted on 16.06.2015 by №37/order.

## 2. SUBJECT CONTENT

### 2.1. Training schedule of the subject

№	Topic	Academic Hours		
		Total	Total	Total
1	2	3	4	5
<b>2 Year</b>				
<b>3 semester</b>				
<b>Module №1 "Types of Buildings and Engineering Structures"</b>				
1.1	Types of Buildings. Passive Voice.	4	2	2
1.2	Residential Buildings. Passive Voice (present tenses).	4	2	2
1.3	Types of Public Buildings.	3	2	1
1.4	Types of Industrial Buildings.	3	2	1
1.5	Commercial Buildings. Passive Voice (past tenses).	4	2	2
1.6	Skyscrapers.	4	2	2
1.7	Types of Building by the Building Material for Walls.	3	2	1
1.8	Construction of Bridges.	3	2	1
1.9	Types of Bridges. Passive Voice (future tenses).	4	2	2
1.10	World-famous Bridges. Bridges in Ukraine.	4	2	2
1.11	Road Design.	3	2	1
1.12	Design of Highways, City roads and Streets.	3	2	1
1.13	Technology of Highway Construction.	4	2	2
1.14	Tunnels. Construction «Have something done».	3	2	1
1.15	World-famous Tunnels. Tunnels in Ukraine.	3	2	1
1.16	Presentation on topic «Types of buildings and structures».	4	2	2
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 3<sup>rd</sup> semester</b>		<b>60</b>	<b>34</b>	<b>26</b>
<b>4 semester</b>				



<b>Module № 2 “Airports: Buildings and Structures, Airfields”.</b>				
2.1	The Design of a Modern Airport: Main Buildings and Structures. Reported Speech. Reported statements..	4	2	2
2.2	Passenger Terminal.	4	2	2
2.3	Main Elements of the Passenger Terminal. Reported questions.	3	2	1
2.4	London Heathrow Terminal 5.	3	2	1
2.5	Hangar. Reported commands, requests.	4	2	2
2.6	Cargo Terminal.	4	2	2
2.7	The Building of the Control Tower. Sequence of tenses.	3	2	1
2.8	Airfields.	3	2	1
2.9	Runways (RW).	4	2	2
2.10	Runway Requirements. Modal verbs for expressing abilities.	4	2	2
2.11	Types of Runways.	3	2	1
2.12	Taxiways (TWs). Modal verbs for expressing requests, permission.	3	2	1
2.13	Apron. Holding Apron.	4	2	2
2.14	World-famous Airports and Airports of Ukraine. Modal verbs for expressing duty, necessity, prohibition.	3	2	1
2.15	Boryspil International Airport.	3	2	1
2.16	Presentation on topic «Airports».	4	2	2
2.17	Module test №2.	4	2	2
<b>Total for Module №2</b>		<b>60</b>	<b>34</b>	<b>26</b>
<b>Total for the 4<sup>th</sup> semester</b>		<b>60</b>	<b>34</b>	<b>26</b>
<b>Total for the 2<sup>nd</sup> year</b>		<b>120</b>	<b>68</b>	<b>52</b>
<b>3 Year</b>				
<b>5 semester</b>				
<b>Module №3 “Stages of a Construction Process. Construction Machinery”</b>				
3.1	Civil Engineering. Infinitive.	6	2	4
3.2	Survey. Infinitive functions in a sentence.	6	2	4
3.3	Types of Soils in Construction.	5	2	3
3.4	Designing a Project. Complex Object.	5	2	3
3.5	Computer Technologies in Construction.	5	2	3
3.6	Stages of Building Erection and Construction. Complex Subject.	5	2	3
3.7	Main Stages of the Residential Building Construction.	5	2	3
3.8	Stages of Highway Construction. Gerund.	6	2	4



3.9	Technology of Pavement Construction.	5	2	3
3.10	Improvement of the Surrounding Area. Road Maintenance. Gerund and infinitive.	5	2	3
3.11	On the Construction Site.	5	2	3
3.12	Construction Machinery. Participle I.	6	2	4
3.13	Transportation and Loading Machines. Lifting Equipment and Machinery.	5	2	3
3.14	Earth-moving Machines and Piling Machines. Earth-moving Machines. Participle II.	5	2	3
3.15	Machines for Soil Compaction, Preparation, Transportation and Compaction of concrete mixtures and mortars.	5	2	3
3.16	Presentation on topic «Construction of buildings, bridges, roads».	6	2	4
3.17	Module test №3.	5	2	3
<b>Total for Module №3</b>		<b>90</b>	<b>34</b>	<b>56</b>
<b>Total for the 5<sup>th</sup> semester</b>		<b>90</b>	<b>34</b>	<b>56</b>
<b>6 semester</b>				
<b>Module №4 “Building Code. World-famous Buildings and Engineering Structures”</b>				
4.1	Documentation in Construction. Conditional sentences.	4	2	2
4.2	Building Standards, Norms and Rules. The 1 <sup>st</sup> type of conditional sentences.	4	2	2
4.3	Application of a Building Code.	4	2	2
4.4	Classification of Buildings According to the Building Code. The 2 <sup>nd</sup> type of conditional sentences.	4	2	2
4.5	Basic Requirements to Buildings and Structures. Mechanical Resistance and Stability.	4	2	2
4.6	Loads and Effects on a Building. The 3 <sup>rd</sup> type of conditional sentences.	4	2	2
4.7	Basic Provisions for Designing Bases and Foundations of Structures.	4	2	2
4.8	Transport Structures. Bridges and pipes. Loads and Effects. Mixed type of conditional sentences.	4	2	2
4.9	Influence of Engineering Structures on the Environment.	4	2	2
4.10	Alternative Energy Sources in Construction. Structures with “I wish”, “If only”.	4	2	2
4.11	Energy Efficient Buildings. Eco-Houses.	4	2	2
4.12	World-famous Buildings and Structures. Notre-Dame Cathedral. Structure “I wish I were”.	3	2	1
4.13	Temple of the Holy Family (Sagrada Familia).	3	2	1

4.14	Taj Mahal. Structure "I wish ... had been".	3	2	1
4.15	Modern Architecture. Modern World Wonders.	3	2	1
4.16	Famous skyscrapers.	3	2	1
4.17	Super Bridges. Structure "I wish ... would".	3	2	1
4.18	Oresund Bridge.	3	2	1
4.19	Kansai International Airport (Osaka, Japan).	3	2	1
4.20	Prominent Architectural Buildings in Ukraine.	3	2	1
4.21	A Presentation as a Kind of Professional Communication.	3	2	1
4.22	Presentation Structure.	3	2	1
4.23	Presentation of the Report at the Student Conference.	3	2	1
4.24	Presentation of a Building or an Engineering Structure.	3	2	1
4.25	Presentation on topic "World-famous Buildings and Engineering Structures".	4	2	2
4.26	Module test №4.	3	1	2
<b>Total for Module №4</b>		<b>90</b>	<b>51</b>	<b>39</b>
<b>Total for the 6<sup>th</sup> semester</b>		<b>90</b>	<b>51</b>	<b>39</b>
<b>Total for 3<sup>rd</sup> year</b>		<b>180</b>	<b>85</b>	<b>95</b>
<b>Total for the Subject</b>		<b>300</b>	<b>153</b>	<b>147</b>

### 3. BASIC CONCEPTS OF GUIDANCE ON THE SUBJECT

#### 3.1. List of references

##### Basic literature

3.1.1. 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.

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

3.1.3. Англо-русский словарь по строительству и архитектуре / Стецкий С.В. – М. : «Архитектура-С», 2005. – 400 с.

3.1.4. Virginia Evans. Round Up 5. Grammar book. – Longman, 2004. – 210 p.

##### Additional literature

3.1.5. Brieger Nick and Pohl Alison. Technical English Vocabulary and Grammar. – Oxford : Summertown Publishing Ltd, 2006. – 148 p.

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



3.1.7. Fredo Evan. English for Construction. Vocational English. Level 2 : Course book. – New York : Pearson, 2012. – 80 p.

3.1.8. Foley Mark & Hall Diane. My Grammar Lab. Grammar book. Intermediate B1– B2. – Pearson Publishing House, 2012. – 385 p.

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

3.1.10. Horonjeff Robert, McCalvey Francis, Sproule William. Planning and Design of Airports. – 5 ed. – 2010. – 670 p.

3.1.11. Романенко О. Німецька мова для студентів технічних спеціальностей : навч. посіб. / О.Романенко. – К.: «НАУ-друк», 2009. – 104 с.

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

### 3.2. List of basic guidance materials for the subject

№	Name	Index of Topics where Guides are Used	Amount
1.	Video extracts on topics “Channel Tunnel Construction”, “London Heathrow Airport”, “Notre-Dame Cathedral”, “the Mystery of the Taj Mahal”, “Dynamic architecture”.	1.15, 2.4, 4.12, 4.14, 4.16	1 Soft copy
2.	Audio dialogues on topics “Description of Structural Elements of Skyscrapers”, “Millau Viaduct”, “Road Construction”, “Properties of Asphalt Roads”.	1.6, 1.10, 1.11, 1.12	1 Soft copy

## 4. RATING SYSTEM OF KNOWLEDGE AND SKILLS ASSESSMENT

4.1. Grading of different kinds of academic work performed by a student is done in accordance with Table 4.1.

Table 4.1

3–6 semester		
Module №1–4		Max Grade
Kind of Academic Activities	Max Grade	
Text Reading and Translation (8 texts x 3 grades)	24 (total)	
Knowledge of Terms	3	
Text Retelling (4 texts x 5 grades)	20 (total)	
Article Translation and Retelling	5	
Discussion of the Topic	4	



Knowledge of Grammar (testing)	5	
Preparing a Presentation on the topic	7	
<i>A student is to gain not less than 41 grades to be allowed to write Module Test №1-4</i>		
Module Test №1-4	20	
<b>Total for Module №1–4</b>	<b>88</b>	
<b>Semester Graded Test</b>		<b>12</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 (see Table 4.2).

4.3. The grades a student has been given for different kinds of academic work are summed up and the result constituting a Current Module Grade is entered into the Module Grade Register.

Table 4.2

Grades				Module Test grade	National Scale
Text Reading and Translation, Knowledge of Terms	Text Retelling, Article Translation and Retelling, Knowledge of Grammar (testing)	Discussion of the Topic	Preparing a Presentation on the topic		
				M №1–4	
3	5	4	7	18–20	Excellent
2,5	4	3	6	15–17	Good
2	3	2,5	4–5	12–14	Satisfactory
under 2	under 3	under 2,5	under 4	under 12	Bad

4.4. The sum of the Current Module Grade and the Module Test Grade is the Total Module Grade (Table 4.3) whose grades and the National Scale is entered into the Module Grade Register.

Table 4.3

Correspondence between the Total Module Grades and the National Scale

Module №1-4	National Scale
79-88	Excellent
66-78	Good
53-65	Satisfactory
under 53	Bad

4.5. The Semester Module Grade is calculated as the sum of the Total Module Grades. The correspondence between Semester Module Grade values and the National Scale is given in Table 4.4.

Table 4.4.  
Correspondence between the Semester Module Grades and the National Scale

Grades	National Scale
79-88	Excellent
66-78	Good
53-65	Satisfactory
under 53	Bad

Table 4.5  
Correspondence between the Graded Test Grades and the National Scale

Grades	National Scale
Graded test	
12	Excellent
10	Good
8	Satisfactory
-	–

4.6. The Semester Module Grade and the Graded Test Grades together make up a Total Semester Grade whose correspondence to the National Scale and the ECTS Scale is shown in Table 4.6.

Table 4.6  
Correspondence of the Total Semester Grades to the National Scale and the ECTS System

Total Semester Grades	National Scale	ECTS System	
		ECTS Grade	Explanation
<b>90-100</b>	<b>Excellent</b>	<b>A</b>	<b>Excellent</b> (excellent performance with insignificant shortcomings)
<b>82-89</b>	<b>Good</b>	<b>B</b>	<b>Very Good</b> (performance above the average standard with a few mistakes)
<b>75-81</b>		<b>C</b>	<b>Good</b> (good performance altogether with a certain number of significant mistakes)
<b>67-74</b>	<b>Satisfactory</b>	<b>D</b>	<b>Satisfactory</b> (performance meets the average standards)
<b>60-66</b>		<b>E</b>	<b>Sufficient</b> (performance meets the minimal criteria)
<b>35-59</b>	<b>Unsatisfactory</b>	<b>FX</b>	<b>Bad</b> (bad performance; a second testing is required)
<b>1-34</b>		<b>F</b>	<b>Bad</b> (very bad performance; a student shall retake the course)

4.7. The Total Semester Grade is entered into the Examination Register and into a student's record book in grades, National Scale grades, and ECTS grades.

4.8. The Total Semester Grade is entered into a student's record book, for example: **92/Ex/A**, **87/Good/B**, **79/Good/C**, **68/Sat/D**, **65/Sat/E**, etc.

4.9. The Total Semester Grades of discipline are defined as the average arithmetic grade of the total semester grades in points (from the first to the sixth semesters for this subject) with its transfer into National Scale and ECTS Scale.

The indicated Total Semester Grade of the subject is entered in the Diploma Supplement.





(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	Дата внесення зміни	Дата введення зміни
	Зміненого	Заміненого	Нового	Анульованого			

(Ф 03.02 – 32)

### УЗГОДЖЕННЯ ЗМІН

	Підпис	Ініціали, прізвище	Посада	Дата
Розробник				
Узгоджено				
Узгоджено				
Узгоджено				