

National Aviation University
Educational and Research Humanities Institute
Foreign Languages and Applied Linguistics Department

AGREED
Director of ER IES

“ ” _____ 2017
O. Zaporozhets

APPROVED
Vice-Rector for Academics
and Educative Activity

« » _____ 2017
T. Ivanova



Quality Management System

COURSE TRAINING PROGRAM
on
“English for Specific Purpose”

Field of study: 10 “Natural Sciences”
Speciality: 101 “Ecology”
Specialization: “Ecology and Environmental Protection”

Year of Study – 2nd, 3rd

Semester – 3rd, 4th, 5th, 6th

Practicals – 132

Graded Test– 3rd, 4th, 5th, 6th semester

Self-study – 108

Total (hours/ ECTS credits) – 240/8

Index ECB-5-101/16-3.1.1

QMS NAU CTP 12.01.04 – 01-2017



The Course Training Program on “English for Specific Purpose” is based on the Bachelor Curriculum № ECB-5-101/16 for Speciality 101 “Ecology” and Specialization “Ecology and Environmental Protection”, Syllabus for this Subject, Index CB-5-101/16-3.1.1, approved by the Rector “__” _____ 2017, correspondent normative documents and the order №307/od dated on 20.06.2017.

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1. INTRODUCTION

The Course Training Program on the subject is developed on the basis of syllabus “English 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

№	Topics	Academic Hours		
		Total	Practical	Self-study
1	2	3	4	5
2 Year				
3 semester				
Module №1 “Ecological problems in Ukraine. Ecological catastrophes”				
1.1	Ecological problems in Ukraine. Nouns. Word order in the sentence.	3	2	1
1.2	Natural conditions in Ukraine. Verb Tenses. Active Voice. Passive Voice.	4	2	2
1.3	Classification of ecosystem components. Present Simple Tense.	3	2	1
1.4	Green plants. Photosynthesis. Types of questions. Article. Word-building.	4	2	2
1.5	Causes of pollution. Past Simple Tense.	3	2	1
1.6	Ukraine: causes of pollution. Interrogative sentences.	3	2	1
1.7	Noise pollution in large cities. Continuous Tense.	3	2	1
1.8	Genetic pollution. Word-building. Adjectives.	3	2	1
1.9	Ecological catastrophes. Degree of adjectives. Article.	3	2	1
1.10	Greenhouse effect and global warming. Continuous Tenses. Interrogatives.	3	2	1
1.11	Theory of biosphere Past Continuous Tense. Interrogative sentences. Adverbs.	4	2	2
1.12	Consequences of global warming. Perfect tenses. Present Perfect Tense. Interrogative sentences.	4	2	2



1.13	Carpathian national natural reserves. Past Perfect Tense.	4	2	2
1.14	Protected natural reserve “Elanetskyi step”. Present Perfect Continuous Tense. Past Perfect Continuous Tense.	4	2	2
1.15	Protected natural reserve “Svyaty Ghory”. Future Simple, Future Continuous and Future Perfect Tenses.	4	2	2
1.16	Thematic presentation to the module №1.	4	2	2
1.17	Module test №1.	4	2	2
Total for Module №1		60	34	26
4 semester				
Module № 2 “Technological catastrophes. Chernobyl. Monitoring of environment”				
2.1	Technoecology. Usage of Active Tenses. Numbers. Word-building.	3	2	1
2.2	General problems of pollution. Verbs in Passive Voice. Passive Voice (Simple Tenses).	3	2	1
2.3	Varieties of pollution. Participles.	3	2	1
2.4	Technological catastrophes. Interrogative sentences in Passive Voice (Simple Tenses).	3	2	1
2.5	Pollution with technological waste from modern industry. Passive Voice (Continuous Tenses). Interrogative sentences.	3	2	1
2.6	Oil pollution. Passive Voice (Perfect Tenses). Interrogative sentences.	3	2	1
2.7	Pollution from aircraft and space equipment. Passive Voice (Simple and Perfect Tenses). Infinitive.	4	2	2
2.8	Noise pollution in large cities. Sequences of Tenses. General and special questions.	4	2	2
2.9	Combustion. Reported Speech.	4	2	2
2.10	Technological pollution. Present, Past Tenses (Active and Passive Voices). Infinitive.	4	2	2
2.11	The Earth and radioactive pollution. Transport traffic. Dialogue. Reported Speech.	4	2	2
2.12	Nature and society. Word-building.	4	2	2
2.13	Man and environment. Dialogue. Present, Past Tenses (Active and Passive Voices).	4	2	2
2.14	Controlling of industrial impact on environment. Future Tenses (Active and Passive Voices).	4	2	2



2.15	Thematic presentation to the module №2	6	2	4
2.16	Module test №2.	2	2	2
Total for Module №2		60	32	28
Total for the 4th semester		60	32	28
Total for the 2nd Year		120	66	54
3 Year				
5 semester				
Module №3 “Nuclear energy. Atom energetics in Europe and Ukraine. Types of environmental monitoring”				
3.1	Nuclear energy. Nouns. Word order in the sentence.	3	2	1
3.2	Radiation and nuclear chemistry. Tenses and Voices of verbs.	4	2	2
3.3	Nuclear energy application. Present Simple Tense.	3	2	1
3.4	Danger of nuclear weapons for the mankind. Types of questions. Article. Word-building.	4	2	2
3.5	Technological processes in the nuclear power plants. Past Simple Tense.	3	2	1
3.6	Nuclear energy and plants. Interrogative sentences.	3	2	1
3.7	Nuclear energy and wild life. Continuous Tense.	3	2	1
3.8	Aquatic ecosystems and radiation. Word-building. Adjectives.	3	2	1
3.9	Nuclear power plants in Europe. Degree of adjectives. Article.	3	2	1
3.10	Nuclear power plants in Ukraine. Continuous Tenses. Simple continuous tense. Interrogatives.	3	2	1
3.11	Chorbyl nuclear power plant. Past Continuous Tense. Interrogative sentences. Adverbs.	4	2	2
3.12	Safety measures and vital activity of the citizens. Perfect tenses. Present Perfect Tense. Interrogative sentences.	4	2	2
3.13	Radiation, atomic energy and the world community. Past Perfect Tense.	4	2	2
3.14	Environment and nuclear energy. Present Perfect Continuous Tense. Past Perfect Continuous Tense.	4	2	2
3.15	Education and radioecology. Future Simple, Future Continuous and Future Perfect Tenses.	4	2	2
3.16	Thematic presentation to the module №1.	4	2	2
3.17	Module test №3.	4	2	2



Total for Module №3		60	34	26
6 semester				
Module № 4 “Utilization and recycling of modern manufacturing wastes”				
4.1	Influence of man-made production on the biosphere. Nouns. Word order in the sentence.	3	2	1
4.2	Emissions of man-made production. Tenses and Voices of verbs.	3	2	1
4.3	Mining industry waste. Present Simple Tense.	3	2	1
4.4	Water pollution with technological discharges. Types of questions. Article. Word-building.	4	2	2
4.5	Air pollution. Combustion. Past Simple Tense.	3	2	1
4.6	Soil contamination with technological process. Interrogative sentences.	3	2	1
4.7	Technological ecology. Continuous Tense.	4	2	2
4.8	Consequences of technological pollution. Word-building. Adjectives.	4	2	2
4.9	Oil pollution of water reservoirs. Photosynthesis. Degree of adjectives. Article.	4	2	2
4.10	Pollution from aircraft. Continuous Tenses. Simple continuous tense. Interrogatives.	4	2	2
4.11	Consequences of radiation contamination. Past Continuous Tense. Interrogative sentences. Adverbs.	4	2	2
4.12	Utilization and recycling of modern production waste. Perfect tenses. Present Perfect Tense. Interrogative sentences.	4	2	2
4.13	Food industry and technological pollution. Past Perfect Tense.	4	2	2
4.14	Monitoring of environment pollution. Present Perfect Continuous Tense. Past Perfect Continuous Tense.	4	2	2
4.15	Thematic presentation to the module №4.	5	2	3
4.16	Module test №4.	4	2	2
Total for Module №4		60	32	28
Total for the 6nd semester		60	32	28
Total for the 3 year		120	66	54
Total for the subject		240	132	108

3. BASIC CONCEPTS OF GUIDANCE ON THE SUBJECT

3.1. List of references

Basic Literature

3.1.1. Захарчук Н.В. Англійська мова : Ecology Today : зб. матер. /



Н.В. Захарчук. – К. : НАУ, 2014. – 98 с.

3.1.2. Захарчук Н.В. Modern Ecological Issues : зб. матер. / Н.В. Захарчук, Л.Й. Іщенко, Н.В. Глушаниця. – К.: НАУ, 2010. – 149 с.

3.1.3. Davydova N. English for Natural Sciences : навч. посібн. / N. Davydova, I. Nikitchenko. – К., 2004. – 407 с.

3.1.4. Іщенко Л.Й. Ecological Situation Today : посібн. / Л.Й. Іщенко, О.О. Коваленко, Т.В. Тарнавська, Н.В. Глушаниця. – К. : НАУ, 2006. – 108 с.

3.1.5. Снопченко В.І. Biosphere. Man and Environment : посібн. – К. : НАУ, 2005. – 106 с.

3.1.6. Шостак О.Г. Англійська мова. Екологія : посібн. / О.Г. Шостак, І.В. Ковалинська. – К. : НАУ, 2007. – 124 с.

Additional Literature

3.1.7. Голіцинський Ю. Граматика : зб. вправ. – К., 2004. – 280 с.

3.1.8. Коваленко О.О. Англійська мова : метод. розробка для студ. 1 курсу всіх спец. ІЕД. / О.О. Коваленко, Л.М. Конопляник. – К.: НАУ, 2003. – 60 с.

3.1.9. Товкач Є.М. Екологія. Проблеми забруднення : метод. розробка / Є.М. Товкач. – К. : НАУ, 2003. – 48 с.

3.1.10. Базова В.І. Deutsch für spezielle Zwecke. Praktikum in deutschen Grammatik : практикум / В.І. Базова, М.-М.О. Рибалко. – К. : НАУ, 2014. – 68с.

3.1.11. Кашнер А.И. Перевод немецкой научно-технической литературы / А.И. Кашнер. – М. : Высш.шк., 2001. – 275с.

3.1.12. Німецька мова для студентів технічних спеціальностей : навч. посібн. – К. : Вид. «НАУ-друк», 2009. – 104 с.

3.1.13. Коржавин А.В. Практический курс французского языка для технических вузов / А.В. Коржавин. – М. : Высш. школа, 2008. – 372 с.

3.1.14. Гак В.Г. Новый французско-русский словарь / В.Г. Гак, К.А. Ганшина. – М. : Русский язык-Медиа, 2008. – 1160 с.

3.2. List of basic guidance materials for the subject

№	Name	Index of Topics where Guides are Used	Amount
1	2	3	4
1.	Table of Tenses in Active Voice.	1.2 - 1.12	1 copy
2.	Table of words formation from verbs with affixes.	1.1, 2.1, 2.12	1 copy
3.	Table of Tenses in Passive Voice.	2.1 - 2.7	1 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	
Total for Module №1–4	88	
Semester Graded Test		12
Total Semester Grade		100


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 the 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

Correspondence between the Grades for different kinds of activities and the National Scale

Grades				Module Test grade	National Scale Grade
Text Reading and Translation, Text Retelling	Conversational speech	Grammar and thematic (testing)	Preparing a Presentation on the topic		
5	8	9-10	9-10	M 1 – 2	Excellent
4	6-7	8	8	18 - 20	Good
3	5	6-7	6-7	15 - 17	Satisfactory
under 3	under 5	under 6	under 6	12 - 14	Bad

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

4.5. A student is considered to have passed the module if both his/her Current Module Grade and Module Test Grade are positive according to the national scale (Table 4.2), which yields a positive Total Module Grade (Table 4.3).

4.6. 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
-	–

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


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

4.8. 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.

4.9. 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.

4.10. The Total Semester Grades of discipline are defined as the arithmetic average grade of the total semester grades in points (the first and second 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 зміну	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				