

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

AGREED

Director of ER IES

_____ O. Zaporozhets

“ ___ ” _____ 2017

APPROVED

Vice-Rector for Academics
and Educative Activity

_____ T. Ivanova

« ___ » _____ 2017



Quality Management System

COURSE TRAINING PROGRAM

on

“Foreign Language”

Field of study: 16 «Chemical and Bioengineering»
Speciality: 162 «Biotechnology and Bioengineering»
Specialization: «Pharmaceutical Biotechnology»
«Environmental Biotechnology and Bioenergetics»

Year of Study – 1

Semester – 1st, 2nd

Practicals – 68
Self-study – 52
Total (hours/ECTS credits) – 120/4

Graded Test – 1st semester
Examination – 2nd semester

Index ECB-5-162/16-1.4

QMS NAU CTP 12.01.04 – 01-2017



The Course Training Program on “Foreign Language” is based on the Bachelor Extended Curriculum № CB-5-162/16 for Speciality 162 “Biotechnology and Bioengineering” and Specialization “Pharmaceutical Biotechnology”, “Environmental Biotechnology and Bioenergetics”, Syllabus for this Subject, Index CB-5-162/16-1.4, approved “ _____ ” _____ 2017 and correspondent normative documents.

Developed by:

Associate Professor of the
Department of Foreign Languages
and Applied Linguistics _____ S. Kharytska

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 162 “Chemical and Bioengineering” and Specialization “Pharmaceutical Biotechnology”, “Environmental Biotechnology and Bioenergetics” – Department for Biotechnology, Minutes № _____ of “ _____ ” _____ 2017.

Head of the Department _____ K.Garkava

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

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Master copy



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1. INRODUCTION

The Course Training Program on the subject is developed on the basis of syllabus “Foreign Language” 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.

The grading system (GS) is an integral part of the course training program and it provides for assessment of student’s knowledge and skills during the current, module and semester tests. Grading procedure is performed according to the national grading scale and European Credit Transfer System grading scale.

The grading system provides for the use of the module grades (current module grade, module test grade, total module grade) as well as the graded test or examination grade, and the total semester grade.

2. SUBJECT CONTENT

2.1. Training schedule of the subject

№	Topic	Academic Hours		
		Total	Practicals	Self-study
1	2	3	4	5
1 Year				
1 semester				
– Module №1 “Ecology and Ecosystems. Biosphere. Humanity in the environment. Biology. Microbiology. Biotechnology”				
1.1	Education in Ukraine. Types of simple sentences.	3	2	1
1.2	National Aviation University. History of the University. Types of questions.	3	2	1
1.3	Education in UK and USA. Types of verbs (time forms).	4	2	2
1.4	Ecology and ecosystems. Global ecosystem. Simple Tenses. Irregular Verbs.	4	2	2
1.5	Biosphere. Methods of protection of the biosphere. Simple Tenses. The construction: to be going to do smth.	4	2	2
1.6	The population of the Earth. Continuous Tenses.	3	2	1
1.7	Nature and Society. Passive Voice. Word building.	3	2	1
1.8	Man and the environment. Impact of human activity on the environment. Passive Voice. Word building.	4	2	2



1.9	Different types of environmental pollution. Present Perfect Tense.	4	2	2
1.10	Different types of environmental pollution. Present Perfect Continuous.	4	2	2
1.11	General Biology. Classification in biology. History of Biology. Past Tenses.	4	2	2
1.12	Molecular Biology. Cells. Tissues. Indefinite Article. Perfect Tenses. Participle.	3	2	1
1.13	Cytology. Embryology. Microbes. Infinitive.	3	2	1
1.14	Food. Metabolism. Gerund.	4	2	2
1.15	Medical application of biotechnology. Complex object.	4	2	2
1.16	Medical application of biotechnology. Present Perfect Continuous Tense.	3	2	1
1.17	Modern biotechnology. Laboratory analysis.	4	2	2
Total for Module №1		60	34	26
Total for the 1st semester		60	34	26
2 semester				
Module №2 “Biochemistry. Biophysics. Genetic engineering”,				
2.1	Organic and Inorganic Chemistry. Noun. Question sentences.	4	2	2
2.2	Biochemistry. History of biochemistry. Numerals. Indirect Speech.	4	2	2
2.3	Biophysics. Physico-chemical methods of analysis. Enzymes. Non-personal forms of Verbs.	3	2	1
2.4	Prospects for the development of biochemistry. Relationship of biochemistry with other disciplines.	4	2	2
2.5	Genetic engineering, its practical application. Active and passive mood of the verbs.	4	2	2
2.6	Stem cells. Infinitive. Gerund. Articles with abstract nouns and materials.	3	2	1
2.7	Immune system of man. Immunology. Modal Verbs.	3	2	1
2.8	AIDS. Virology. Modal Verbs and their equivalents.	4	2	2
2.9	Genetically modified foods. GMOs and their effects on the human body. Modal Verbs and their equivalents.	4	2	2
2.10	Modern technologies of the food industry. Modal Verbs and their equivalents.	4	2	2
2.11	Agricultural technology. Numerals. Ordinal and cardinal numerals.	3	2	1
2.12	Modern legislation on the use of genetically modified organisms. Degrees of comparison.	4	2	2



2.13	Ethical and moral problems of modern science. Numeral: ordinal and cardinal numerals Impersonal form of the verbs.	3	2	1
2.14	Healthy Lifestyle. Degrees of comparison of adjectives and adverbs.	3	2	1
2.15	Business and the environment. Production standards. Infinitive. Participle.	4	2	2
2.16	Prospects for the development of genetic engineering. Presentations on the topic.	3	2	1
2.17	Module test №2.	4	2	2
Total for Module №2		60	34	26
Total for the 2nd semester		60	34	26
Total for the Subject		120	68	52

3.2. List of basic guidance materials for the subject

№	Name	Index of Topics where Guides are Used	Amount
1.	Table of using Present and Past Tenses	1.4, 1.6, 2.4, 2.6, 6.2	2 Soft copies
2.	Table of creating verbal derivatives using affixes	1.8, 1.9, 2-5	1 Soft copy
3.	Audio of the dialogue of experts in the area of biotechnology.	2.3, 2.5, 2.7, 2.11	1 Soft copy

3. BASIC CONCEPTS OF GUIDANCE ON THE SUBJECT

3.1. List of references

Basic Literature

- 3.1.1. Davydova N., Nikitchenko I. English for Natural Sciences.– К.,2004 – 407 с.
- 3.1.2. Снопченко В.І. Biology. Biotechnology. Посібник. – К.:НАУ, 2004 – 100 с.
- 3.1.3. Снопченко В.І. Biosphere. Man and Environment. Посібник.– К.:НАУ, 2005 – 106 с.
- 3.1.4. Снопченко В.І., Чугуй В.О. Biochemistry. Biophysics. Посібник. К.:НАУ, 2008. – 110 с.
- 3.1.5. Снопченко В.І. Genetic Engineering. Посібник. К.:НАУ, 2009. – 104 с.

Additional literature

- 3.1.6. Голіцинський Ю. Граматика. Збірник вправ. – К., 2004.
- 3.1.7. Коваленко О.О., Конопляник Л.М. Англійська мова: Метод. розробка для студентів 1 курсу всіх спеціальностей ІЕД. – К.: НАУ, 2003.
- 3.1.8. Учитесь читать литературу по специальности: Пособие по немецкому языку для студентов авиационных специальностей. Составители: Е.Н. Дубнова-Кольварская, А.М.Филимонов, Р.И. Котов и др. – М.: Высш. шк. 1986. – 112с.
- 3.1.9. Німецько-українсько-російський словник. Упорядники: Е.І.Лисенко, М.І.Корольова та ін. Київ, "Освіта" 2001. – 250с.



- 3.1.10. Романенко Е.Н., Ситникова А.В. Метод. указания и задания по грамматике для студ. 1-2 курсов всех специальностей. – К.: НАУ, 1996. – 40 с.
- 3.1.11 Німецька мова для студентів технічних спеціальностей. Навчальний посібник. Київ, Видавництво «НАУ-друк», 2009. – 104 с.
- 3.1.12. Коржавин А.В. Практический курс французского языка для технических вузов. М: Высш. школа, 2008. – 372 с.
- 3.1.13. Гак В.Г., Ганшина К.А. Новый французско-русский словарь. – М.: Русский язык-Медиа, 2008. – 1160 с.

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

1 semester		
Module №1		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</i>		
Module Test №1	20	
Total for Module №1	88	
Semester Graded Test		12
Total Semester Grade		100
2 semester		
Module №2		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 №2</i>		
Module Test №2	20	
Total for Module №2	88	
Semester Examination		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 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
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		
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	Module №2	National Scale
79-88	79-88	Excellent
66-78	66-78	Good
53-65	53-65	Satisfactory
under 53	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

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



Grades	National Scale	Grades		National Scale
		Graded test	Exam.	
79-88	Excellent	12	11-12	Excellent
66-78	Good	10	9-10	Good
53-65	Satisfactory	8	7-8	Satisfactory
under 53	Bad	-	under 7	Bad

4.6. 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.

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
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)

4.7. 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 (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	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				