

CONFIRMED

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APROVED

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Criteria for evaluation of current and final (exam) educational activity of students on “Hygiene and ecology” for of specialists of the second (master's) level of higher education branch of knowledge 22 "Healthcare" speciality 221 “Dentistry”

Control methods. Methods of monitoring and evaluation system implemented according to the requirements of the program instructions on discipline and evaluation of educational activities of students in the implementation of the European credit transfer system to learn, approved by MES of Ukraine 04.15.2014. Estimation of the exam is defined as the sum of marks for current educational activity in points and also estimation of total control in points, which is exposed at the assessment theoretical knowledge and practical skills, according to the program on discipline.

Maximum quantity of points which is appropriated to students at module mastering (test credit) is 200 points, including for current educational activity - 120 points (60 %), by the results of total control - 80 points (40 %).

- **Forms of control** – current and total.
- **Forms of total control:** exam.

Current control is carried out on each practical lesson according to specific purposes of each theme. At the estimation educational activity of students, advantage is given to the standardized quality monitoring: testing,

structured written works of students, structured on procedure control of practical skills in conditions which are approached to the real.

Assessment of current educational activity. At mastering each theme of the module for current educational activity marks on a four-ball scale, are put down to the student, considering approved evaluation criteria for the relevant discipline. This takes into account all types of work, provided the curriculum. The student must obtain an assessment of each topic. Forms assessment of current educational activity include control of theoretical and practical training.

•Criteria of evaluation of current educational activity of student

Knowledge of students are evaluated both theoretical and practical training on the following criteria:

Excellent ("5") - The student answered correctly by 90 - 100% test format A. Right, well, logical and meets all current theme standardized questions, including the issue of lectures and independent work. Closely linking theory with practice and properly perform practical work of writing a conclusion on results. Free reading the results of laboratory research solves situational tasks of high complexity, is able to summarize material, has a laboratory research method in the required amount.

Good ("4") - The student answered correctly by 70 - 89% test format A. Correct, and essentially answers the question standardized current topics of lectures and independent work. Demonstrates performance (knowledge) skills. Correct use theoretical knowledge in solving practical problems Able to solve easy and medium difficulty situational problem. It has the necessary practical skills and techniques in the volume's performance that exceeds the required minimum.

Satisfactory ("3") - The student answered correctly by 50 - 69% of tests A. Incomplete format, with additional questions, answers standardized questions of current activity, lectures and independent work. Can not build yourself a clear, logical reply. During answers and demonstrations of practical skills, the student makes mistakes. Student solves only the easiest tasks, has only a mandatory minimum methods.

Unsatisfactory ("2") - Student answered less than 50% of tests A. Do

not know the size of the current theme of the material can not build a logical answer, do not answer any questions, do not understand the contents of the material. During answers and demonstrate practical skills makes significant, serious errors.

The maximum number of points that a student can collect for current educational activity in the third semester for admission to the exam is 120 points.

The minimum number of points that a student must collect for current educational activity in the third semester for admission to the exam is 72 points.

Calculation of points is based on student evaluations received by traditional scale while learning subjects by calculating the arithmetic (SA), rounded to two decimal places. The resulting value is converted into points by multi-scale as follows:

$$X = CA \cdot 120 / 5$$

Conversion of the average score for current activity in many point scale (final control - exam)

4	2	4	2	4	2	4	2
-	0	-	0	-	0	-	0
p	0	p	0	p	0	p	0
o	-	o	-	o	-	o	-
i	p	i	p	i	p	i	p
n	o	n	o	n	o	n	o
t	i	t	i	t	i	t	i
	n		n		n		n
s	t	s	t	s	t	s	t
c		c		c		c	
a	s	a	s	a	s	a	s
l	c	l	c	l	c	l	c
e	a	e	a	e	a	e	a
	l		l		l		l
	e		e		e		e
5	1	4	1	3	9	3	8
	2	,	0	,	4	,	1

	0	4	7	9		3	
		5		1		7	
4	1	4	1	3	9	3	8
,	1	,	0	,	3	,	0
9	9	4	6	8		3	
5		1		7		3	
4	1	4	1	3	9	3	7
,	1	,	0	,	2	,	9
9	8	3	5	8		2	
1		7		3		9	
4	1	4	1	3	9	3	7
,	1	,	0	,	1	,	8
8	7	3	4	7		2	
7		3		9		5	
4	1	4	1	3	9	3	7
,	1	,	0	,	0	,	7
8	6	2	3	7		2	
3		9		5			
4	1	4	1	3	8	3	7
,	1	,	0	,	9	,	6
7	5	2	2	7		1	
9		5				6	
4	1	4	1	3	8	3	7
,	1	,	0	,	8	,	5
7	4	2	1	6		1	
5				6		2	
4	1	4	1	3	8	3	7
,	1	,	0	,	7	,	4
7	3	1	0	6		0	
		6		2		8	
4	1	4	9	3	8	3	7
,	1	,	9	,	6	,	3
6	2	1		5		0	
6		2		8		4	
4	1	4	9	3	8	3	7
,	1	,	8	,	5	,	2
6	1	0		5		9	
2		8		4		9	

4	1	4	9	3	8	L e s s 3	n o t e n o u g h
,	1	,	7	,	4		
5	0	0		4			
8		4		9			
4	1	3	9	3	8		
,	0	,	6	,	3		
5	9	9		4			
4		9		5			
4	1	3	9	3	8		
,	0	,	5	,	2		
5	8	9		4			
		5		1			

Independent work of students is evaluated during the current control of theme on the appropriate lesson. Mastering of themes which start out only on independent work is controlled at the final control.

Final control includes control and certification semester student.

Semester control is carried out in the form of exam (third semester) in the amount of educational material specified in the work program of the course and in the terms established working curriculum, individual curriculum the student. Final control - exam - control of the student theoretical and practical material on discipline "Hygiene and ecology including occupational safety" A student is considered to be admitted to the examination if he visited all the prescribed curriculum with courses for classroom training sessions, met all kinds of work envisaged by the work program of the course and at its won study score not less than the minimum (72 points).The exam is conducted in writing during the examination session, as scheduled. The form of standardized exam includes control of theoretical and practical training.

Rules of conduct of the examination.

Rules of conduct of the examination involves the following steps:

Stage - a written response to the tests of format (blank test control).

Student answers the pact tests. Each package contains 30 test format semantic module of the topics included in the final control.

Stage II - a written response to standardized questions and solving situational problems.

The student receives a set of questions - 3 and 1 situational problems, which must respond in writing.

Third stage - the test of practical skills.

The maximum number of points that a student can get in the preparation of the exam is 80.

The minimum score in the preparation of the exam - at least 50.

TABLE OF FINAL CONTROL EVALUATION OF (exam)

Test control	Written control				Demonstration of practical skills
	Question				
	1	2	3	Situational task	
“5” – 20 points (91-100% correct answers to tests)	“5” – 12 points	“5” – 12 points	“5” – 12 points	“5” – 12 points	“5” – 12 points
“4” – 15	“4” –	“4” –	“4” –	“4” – 10	“4” – 10

po int s (7 1- 90 %) co rre ct an sw ers to tes ts	10 po int s	10 po int s	10 po int s	poi nts	point s
“3” – 10 po int s (5 0- 70 %) co rre ct an sw ers to tes ts	“3” ” 8 po int s	“3” ” 8 po int s	“3” ” 8 po int s	“3” ” 8 poi nts	“3” ” 8 point s
“2” – 0	“2” ”	“2” ”	“2” ”	“2” 0	“2” 0

po int s Le ss tha n 50 % co rre ct an sw ers to tes ts	0 po int s	0 po int s	0 po int s	poi nts	point s
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The exam is made - the student scored 50 or more points.

The exam is not made - the student scored at least 50 points.

Comprehensive number of points that a student collects the results of final control (exam) has the following components:

1) The results of the test control student receives

26 – 30 – 20 points

21 – 25 – 15 points

15 – 20 – 10 points

< 15 – 0 points

2) For carrying out of each of the planned integrated tasks and issues student receives:

12 points - if the student correctly completed the task and made a reasoned conclusions, and gave the correct answers at least 80% of the integrated task or issue;

10 points - if the student correctly completed the task and made a reasoned conclusions, and gave the correct answers at least 65% of the integrated task or issue;

8 points - if the student correctly completed the task and has given

correct answers to at least 50% of the integrated task or issue;

0 points - if the student has not fulfilled the task has not been able to analyze and interpret it and gave the correct answers is less than 50% of the integrated task or question.

3) For carrying out of the practical work (research), demonstration of practical skills, solving situational problems, the ability to analyze and interpret research results correctly to make informed decisions, the student receives:

12 points - if it is properly completed all planned practical work and was able to analyze and interpret research results and to make reasoned decisions, and give the right answers not less than 80% situational problem;

10 points - if it is properly completed all planned practical work and was able to analyze and interpret research results and make reasoned conclusions, and gave the correct answers at least 65% situational problem;

8 points - if it is properly completed all planned practical work and was able to analyze and interpret research results and to make reasoned decisions, and give the right answers not less than 50% situational problem;

0 points - if it is properly completed all planned practical work, not able to analyze and interpret research results as well: given the correct answers is less than 50% situational problem.

Estimation of quantity of points which student can be appropriated on discipline

Points are converted regardless of discipline both in ECTS scale, and a 4-point (national) scale. Score ECTS scale 4-point scale is not converted and vice versa.

Scores of students are enrolled in one specialty, taking into account the number of points gained in the discipline ranked on a ECTS scale as follows:

Assessment ECTS	statistic
A	Top 10% of students
B	Next 25% of students
C	Next 30% of students
D	Next 25% of students

E	The last 10% of students
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Ranking by assigning ratings of "A", "B", "C", "D", "E" is held for the students of this course, studying at one of the specialty and successfully completed the study subjects. Students who have received assessment FX, F («2») are not made to the list of students who ranked. Students with an estimate FX after retaking automatically receive a score of "E".

Assessment of the discipline is defined as the sum of points for current educational activity (at least 72) and points for the exam (at least 50). Scores of discipline for students who completed the program successfully converted a traditional 4-point scale by absolute criteria, which are listed in the table below:

Points by the discipline	Mark by four-ball scale
from 170 till 200 points	«5» (excellent)
from 140 till 169 points	«4» (good)
from 139 till minimal points	«3» (satisfactory)
less than minimal points	«2» (unsatisfactory)

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