

CONFIRMED  
at the meeting of the Department of  
General Hygiene with Ecology  
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**CRITERIA FOR EVALUATION  
of current and final (exam) students' educational activity  
on "Hygiene and ecology" for specialists of the second (master's) level  
of higher education specialty 222 "Medicine"**

**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.

*Types of control* - current and final.

**Current control** is carried out in the course of studying a specific topic to determine the level of formation of individual skills or skills, the quality of assimilation of a specific portion of the educational material. In assessing the educational activities of students, the advantage of standardized methods of control: testing, structured writing works, structured according to the procedure for controlling practical skills in conditions that are close to real.

**Final control** - the credit is held in the III semester, final examination - the examination is carried out after the completion of the study of the discipline in the IV semester.

**Criteria for evaluation of current educational activity of students:**

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

- **"excellent"** - student perfectly mastered the theoretical material shows a deep and comprehensive knowledge of relevant topics, the main provisions of scientific source material and recommended reading, logical thinking and builds respond freely; use the acquired theoretical knowledge in the analysis of practical material expresses his attitude to some problems, demonstrating a high level of practical skills;

- **"good"** - student well understood theoretical material has the basic aspects of the original sources and recommended literature teaches his arguments; has practical skills, express their views on certain issues, but assumes certain inaccuracies and errors in logic or presentation of the theoretical content with practical analysis;

- **"satisfactory"** - student basically mastered the theoretical knowledge of academic subject or discipline oriented in the primary sources and recommended literature, but convincing answer, confuses concepts further questions arouse students uncertainty or lack of stable knowledge; answering questions of a practical nature, reveals inaccuracies in knowledge, cannot assess the facts and events, link them to future activity;

- **"unsatisfactory"** - a student not mastered the course material subject (discipline), does not know scientific facts, definitions, hardly versed in the original

sources and recommended literature, no scientific thinking, practical skills are not formed.

*The maximum points* of student's current educational activity for admission to the exam is 120 points.

*The minimum points* of student's current educational activity for admission to the exam is 72 points.

*The number of points* of student's current educational activity ( $X$ ) is based on 4-point scale (national) scale by calculating the arithmetic mean (CA), rounded to two decimal places. The resulting value is converted into points by multi-scale as follows:

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

**Recalculation of the average point for current activities into multimark scale  
(total control - exam)**

4-point scale	200-point scale	4-point scale	200-point scale	4-point scale	200-point scale	4-point scale	200-point scale
5	120	4.45	107	3.91	94	3.37	81
4.95	119	4.41	106	3.87	93	3.33	80
4.91	118	4.37	105	3.83	92	3.29	79
4.87	117	4.33	104	3.79	91	3.25	78
4.83	116	4.29	103	3.75	90	3.2	77
4.79	115	4.25	102	3.7	89	3.16	76
4.75	114	4.2	101	3.66	88	3.12	75
4.7	113	4.16	100	3.62	87	3.08	74
4.66	112	4.12	99	3.58	86	3.04	73
4.62	111	4.08	98	3.54	85	3.99	72
4.58	110	4.04	97	3.49	84	Less than 3	Not enough
4.54	109	3.99	96	3.45	83		
4.5	108	3.95	95	3.41	82		

*Independent work of students* is evaluated during the current control of theme on the proper lesson. Learning topics submitted only on independent work is controlled at the final control.

**The exam** is conducted in writing during the exam session, according to the schedule. The form of the exam is standardized, includes the control of theoretical and practical training.

**Regulation of the exam** involves the following steps:

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

The student is responsible for a package of tests. Each package contains 60 test format of the topics included in the final control.

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

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

**Stage III** - the test of practical skills.

**The maximum point** for the exam is 80.

**The minimum point** of the exam - at least 50.

**TABLE FOR FINAL CONTROL EVALUATION (EXAM)**

Test control	Writtencontrol questions			Situational task	Demonstration of practical skills
	1	2	3		
“5” – 20 points 91-100% of correct answers	“5” 12 points	“5” 12 points	“5” 12 points	“5” 12 points	“5” 12 points
“4” – 15 points 71-90% of correct answers	“4” 10 points	“4” 10 points	“4” 10 points	“4” 10 points	“4” 10 points
“3” – 10 points 50-70% of correct answers	“3” 8 points	“3” 8 points	“3” 8 points	“3” 8 points	“3” 8 points
“2” – 0 points less than 50% correct answers	“2” 0 points	“2” 0 points	“2” 0 points	“2” 0 points	“2” 0 points

**Examination passed** - students scored 50 or more points.

**The test is not passed** - student scored less than 50 points.

*The total number of points that a student gains based on the results of the final control (examination) has the following components:*

*The results of the test control student receives*

56-60 correct answers - 20 points

41-55 correct answers - 15 points

31-40 correct answers - 10 points

<30 correct answers - 0 points

*For completing each of the planned theoretical questions, the student receives a grade:*

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

10 points - if the student correctly completed the task and made reasoned conclusions, and gave the correct answer 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 correct answers less than 50% of the integrated task or question.

*For solving a situational problem, the ability to analyze and interpret research results and for making reasonable conclusions the student receives:*

12 points - if it is properly executed all planned practical work and was able to analyze and interpret research results and make reasoned conclusions, and gave the correct answer at least 80% of situational problems;

10 points - if it is properly executed all planned practical work and was able to

analyze and interpret research results and make reasoned conclusions, and gave the correct answer at least 65% of situational problems;

8 points - if it is properly executed all planned practical work and was able to analyze and interpret research results and make reasoned conclusions, and gave the correct answer at least 50% of situational problems;

0 points - if improperly executed all planned practical work, not able to analyze and interpret research results and has given correct answers to less than 50% of situational problems.

**The current control** is carried out during the workshops and aims to verify mastering academic material.

*Evaluation of current educational activity.* In evaluating the mastering of each topic for current educational activity the student score for the 4-point scale (national). This takes into account all kinds of work, provided the program discipline. The student must obtain an assessment of each topic for further conversion of marks into balls by multi (200-point) scale.

The mark in the discipline “Hygiene and Ecology” is defined as the sum of points for current studying activity (at least 72) and points for the exam (at least 50). For students who have successfully completed the program, the grade is converted to a traditional 4-point scale according to the absolute criteria listed in the table below:

Scores on discipline	4-point scale
From 170 to 200 points	5
From 140 to 169 points	4
From 139 points to the minimum number of points that a student must score	3
Below the minimum number of points that a student must collect	2

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 value
A	Top 10% of students
B	Next 25% of students
C	Next 30% of students
D	Next 25% of students
E	Next 10% of students

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