

Criteria and procedure for evaluating learning outcomes from the educational component "Technology of homeopathic medicines"

The criteria for evaluating the knowledge and skills of higher education students from the educational component "Technology of homeopathic medicines" were developed in accordance with POL A2.2-25-031 Regulations on the assessment of knowledge of higher education students at the National Pharmaceutical University.

The evaluation of the success of higher education institutions in the educational component is a rating, is presented on a one-point scale and is defined according to the ECTC system and according to the traditional scale adopted in Ukraine.

Evaluations (in points) are reflected in the calendar-thematic plans of practical classes.

The number of points that a student receives in a practical lesson ranges from 6 to 10.

Evaluation criteria	Scores
<p><i>theoretical training:</i></p> <ul style="list-style-type: none"> ➤ showed comprehensive and in-depth knowledge of the theoretical material from "Technology of homeopathic medicines" on the subject of the lesson, which is presented in the textbook, lecture texts and additional literature; ➤ completed the written homework flawlessly; ➤ gave comprehensive answers to the teacher's theoretical questions; <p><i>practical training:</i></p> <ul style="list-style-type: none"> ➤ wrote out a prescription without errors according to the current RTB; ➤ gave the characteristics of the medicinal plant raw materials taking into account the juice content and moisture content of the raw materials / or gave the characteristics of the medicinal substance (physico-chemical properties); ➤ correctly processed and prepared fresh medicinal plant raw materials (if necessary) in accordance with the requirements of the SPhU; ➤ correctly prepared his workplace (picked up weighing and measuring devices, utensils, auxiliary material, etc.); ➤ calculated the amount of solvent and active substance on the reverse side of the written control passport without errors; ➤ correctly prepared a homeopathic medicinal product, observing the pharmaceutical order and sanitary regime at his workplace; ➤ packaged and prepared the homeopathic medicinal product for release in accordance with current requirements; ➤ handed over to the teacher for inspection an impeccably prepared homeopathic medicinal product with the necessary documentation (prescription and PWC). 	10.0
<p><i>theoretical training:</i></p> <ul style="list-style-type: none"> ➤ showed full knowledge of the theoretical material on the topic of the lesson, which is presented in the textbook and lecture texts; ➤ completed written homework without errors; ➤ gave answers to the teacher's theoretical questions with minor shortcomings; ➤ correctly answered 4 test tasks during the input control of knowledge; <p><i>practical training:</i></p> <ul style="list-style-type: none"> ➤ wrote out a prescription without errors according to the current RTB; ➤ gave an incomplete description of the medicinal plant material / or medicinal substance; ➤ correctly processed and prepared fresh medicinal plant raw materials (if necessary) in accordance with the requirements of the SPhU; ➤ prepared his workplace with errors (for example, irrationally selected dishes, etc.); ➤ made calculations on the reverse side of the PWC without errors; ➤ correctly prepared a homeopathic medicinal product with small errors in compliance with the pharmaceutical order and sanitary regime in his workplace (for example, he did not wipe the scales before work, etc.); ➤ packaged and processed a homeopathic medicinal product with insignificant errors (sloppy labels or signature, etc.) before release; ➤ handed the prepared homeopathic medicinal product with the necessary documentation (prescription and PWC) to the teacher for verification. 	8.0–9.0
<p><i>theoretical training:</i></p> <ul style="list-style-type: none"> ➤ showed knowledge of the theoretical material from "Technology of homeopathic medicines" on the topic of the lesson in the amount that is considered necessary and 	6.0–7.0

<p>sufficient to perform the practical part of the lesson;</p> <ul style="list-style-type: none"> ➤ completed written homework with errors; ➤ gave answers to theoretical questions with errors, which he corrected with the help of the teacher; <p>practical training:</p> <ul style="list-style-type: none"> ➤ mistakes were made when writing a prescription according to the current RTB; ➤ gave an incomplete description of the medicinal plant material / or medicinal substance; ➤ incorrectly processed and did not prepare fresh medicinal plant raw materials in accordance with the requirements of the SPhU (if necessary); ➤ prepared his workplace with errors (for example, irrationally selected dishes, etc.); ➤ made calculations on the reverse side of the PWC without errors; ➤ correctly produced a homeopathic medicine, but the technology is irrational and without theoretical justification; ➤ made mistakes in compliance with the pharmaceutical order and sanitary regime in his workplace (for example, did not wipe the scales before work, etc.); ➤ packed and issued a homeopathic medicinal product with errors before release (incorrectly selected/calculated ethanol concentration, the technological order of the ingredients in the PWC was not met, not all labels were pasted, etc.); ➤ handed the prepared homeopathic medicinal product with the necessary documentation (prescription and passport of written control) to the teacher for verification. 	
<p>theoretical training:</p> <ul style="list-style-type: none"> ➤ did not complete written homework; ➤ did not get acquainted with the theoretical material on "Technology of homeopathic medicines" on the topic of the lesson, which is presented in the textbook and lecture texts; ➤ did not answer the teacher's theoretical questions; <p>practical training:</p> <ul style="list-style-type: none"> ➤ gross mistakes were made when writing a prescription; ➤ did not give a description of the medicinal plant material / or medicinal substance; ➤ prepared his workplace with errors; ➤ calculations on the reverse side of the PWC are made with errors; ➤ chose the wrong technology of homeopathic medicine and did not provide its theoretical justification. 	0–5.9

The student's independent work is monitored during each practical session, during the control of the content module.

In the event that the SHE came to the class unprepared, he must be present at the class. After working with the electronic study guide for independent work on the Technology of homeopathic medicines and an individual conversation with the teacher on the topic of the lesson, the student is admitted to practical work.

Evaluation of independent work of the student:

during current control: 10 points - testing

during control of content module 1: tickets for content module 1 include theoretical questions on the topics of the educational component that were not included in classroom classes

during the control of content module 2: tickets for content module 2 include theoretical questions on topics of the educational component that were not included in classroom classes

Control of mastering content modules is carried out in the last classes of studying the topics of content modules. The means of diagnosing students' knowledge are 2 theoretical questions and 1 practical question. Only those students who have completed all types of work provided by the curriculum (worked out, missed practical classes, etc.)

Control of CM 1 is carried out in order to check the level of assimilation of theoretical material and practical skills. Theoretical knowledge is controlled by solving 2 calculation problems and 1 prescription. Control of practical skills is carried out by preparing homeopathic medicines according to an individual prescription and drawing up the relevant documentation.

Control of CM 2 is carried out in order to check the level of assimilation of theoretical material and practical skills. Theoretical knowledge is controlled by solving 2 calculation problems and 1 prescription. Control of practical skills is carried out by preparing homeopathic medicines according to an individual prescription and drawing up the relevant documentation.

Ticket structure:

- 2 theoretical questions;
- 1 practical-oriented task.

Evaluation criteria	Scores
	9.0–15.0
<i>theoretical training:</i> • gave a comprehensive answer to theoretical questions; <i>practical training:</i> • excellently performed a practically oriented task.	14.0-15.0
<i>theoretical training:</i> • gave answers to theoretical questions with minor shortcomings; <i>practical training:</i> • completed a practically-oriented task with minor shortcomings.	11.0-13.0
<i>theoretical training:</i> • answered theoretical questions with errors; <i>practical training:</i> • performed a practical task with errors.	9.0–10.0
<i>theoretical training:</i> • did not answer theoretical questions; <i>practical training:</i> • did not complete a practical task.	0.0-8.0

The sum of points for the study of CM is the sum of the points received by the student during the study of all topics of the content module.

The sum of points for the study of the CM is the sum of the points that the applicant received during the study of all topics of the content module.

The semester assessment is conducted by summarizing the module study results, increasing the rating if desired and filling out the reporting documentation.

The evaluation of the student's success in the discipline is a rating, is presented on a one-point scale and is defined according to the ECTS system and the traditional scale adopted in Ukraine.

Total points on a 100-point scale	ECTS scale	Evaluation on a non-differentiated scale
90-100	A	counted
82-89	B	
74-81	C	
64-73	D	
60-63	E	
35-59	FX	not counted
1-34	F	

It has been approved at the Department of pharmaceutical technology of drugs

Record from «30» of August 2024 № 1

Head of the Department, prof.



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