

**CRITERIA FOR ASSESSING KNOWLEDGE AND SKILLS
OF HIGHER EDUCATION APPLICANTS
IN THE EDUCATIONAL COMPONENT "FUNCTIONAL BIOCHEMISTRY"
for the EP "Pharmacy" full-time form**

The educational component "Functional Biochemistry" is studied during 1 semester and consists of 2 content modules.

The current control is carried out during the semester during practical classes and is evaluated by the sum of the points scored. The total number of points of the current control is 100 points. Current control is carried out in the form of an oral survey, written express control, speeches of higher education students during the discussion of issues, in the form of computer testing and solving situational tasks. The independent work of higher education students, which is provided for by the topic of the lesson along with classroom work, is assessed during the current control of the topic in the relevant lesson. Current control is mandatory, the knowledge of higher education students must be assessed at each lesson (on each topic).

Control of a content module is the control of the amount of knowledge that has been acquired by a higher education student during the content module. It can be conducted in the form of written work or computer testing.

**The scheme of calculation and distribution of points of current control
for higher education students.**

Module 1

| Current testing and self-work | | | | | | | Total |
|-------------------------------|----|----|-------|------------------|----|-------|-------|
| Content module 1 | | | | Content module 1 | | | |
| T1 | T2 | T3 | K3M 1 | T4 | T5 | K3M 2 | |
| 10 | 10 | 10 | 25 | 10 | 10 | 25 | 100 |

Semester control is conducted in the form of testing and is not graded. A higher education applicant is considered admitted to semester control if he or she has completed all the classroom classes provided for in the curriculum for the educational component, has completed all the types of work provided for in the work program for the educational component.

A higher education student receives a semester credit at the last lesson of the educational component based on the results of the *current assessment and control of content modules*. This type of final control does not involve any additional work, surveys or testing at the last class. Credit is given to higher education students who have scored the required minimum number of points during the current control (60 points and above), have no unexcused absences from practical classes and have fulfilled all the requirements provided for in the work program of the educational component.

The results are converted from one scale to another according to the table.

RATING SCALE

| Sum of points on a 100-point scale | ECTS scale | Grade on an undifferentiated scale |
|------------------------------------|------------|------------------------------------|
| 90-100 | A | credit |
| 82-89 | B | |
| 74-81 | C | |
| 64-73 | D | |
| 60-63 | E | |
| 35-59 | FX | not credit |
| 1-34 | F | |

CONTROL OF KNOWLEDGE AT EACH LESSON

Current control consists in assessing the level of preparedness of higher education students to perform specific work, the completeness and quality of mastering by higher education students of educational material on topics, content modules of the educational component and the performance of individual tasks in accordance with the work program of the educational component and is carried out by teachers during the semester. The forms and content of the current control, the distribution of points between individual control measures and tasks within one lesson (oral examination, control tests, written assignments) are determined by the department and communicated to higher education students at the beginning of the semester in which it is performed. The number of points received for each type of academic work in various forms of current control is posted to higher education students in the academic group journal.

Module 1: Functional biochemistry

Content module 1: Functional biochemistry of the gastrointestinal tract and blood

Lesson 1.

Topic: Introduction to functional biochemistry. Nutrition, digestion and absorption.

| Rating grade, points | Criteria for grading |
|----------------------|--|
| 10 | It is awarded to a higher education applicant who, when answering questions, has demonstrated comprehensive, systematic, in-depth knowledge of the program material, is able to demonstrate the knowledge provided at the level of creative use |
| 9 | It is assigned to a higher education applicant who, when answering the question, showed full knowledge of the program material provided at the level of similar reproduction, but made some minor mistakes |
| 8 | It is awarded to a higher education applicant who, when answering questions, showed complete knowledge of the program material provided at the level of similar reproduction, but made several minor mistakes or one or two major mistakes. |
| 7 | It is assigned to a higher education applicant who, when answering questions, showed insufficient knowledge of the basic program material to the extent necessary for further study and work provided for by the program at the level of reproductive reproduction, and generally coped with the task. |
| 6-1 | It is assigned to a higher education applicant who, when answering questions, revealed serious gaps in knowledge of the basic material, made fundamental mistakes |
| 0 | It is given to the applicant in case of complete absence of a response. |

Lesson 2.

Topic: Functional biochemistry of blood

| Rating grade, points | Criteria for grading |
|----------------------|---|
| 10 | It is awarded to a higher education applicant who, when answering questions, has demonstrated comprehensive, systematic, in-depth knowledge of the program material, is able to demonstrate the knowledge provided at the level of creative use |
| 9 | It is assigned to a higher education applicant who, when answering the question, showed full knowledge of the program material provided at the level of similar reproduction, but made some minor mistakes |
| 8 | It is awarded to a higher education applicant who, when answering questions, showed complete knowledge of the program material provided at the level of |

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| | similar reproduction, but made several minor mistakes or one or two major mistakes. |
| 7 | It is assigned to a higher education applicant who, when answering questions, showed insufficient knowledge of the basic program material to the extent necessary for further study and work provided for by the program at the level of reproductive reproduction, and generally coped with the task. |
| 6-1 | It is assigned to a higher education applicant who, when answering questions, revealed serious gaps in knowledge of the basic material, made fundamental mistakes |
| 0 | It is given to the applicant in case of complete absence of a response. |

Lesson 3.

Topic: Functional biochemistry of the liver.

| Rating grade, points | Criteria for grading |
|----------------------|--|
| 10 | It is awarded to a higher education applicant who, when answering questions, has demonstrated comprehensive, systematic, in-depth knowledge of the program material, is able to demonstrate the knowledge provided at the level of creative use |
| 9 | It is assigned to a higher education applicant who, when answering the question, showed full knowledge of the program material provided at the level of similar reproduction, but made some minor mistakes |
| 8 | It is awarded to a higher education applicant who, when answering questions, showed complete knowledge of the program material provided at the level of similar reproduction, but made several minor mistakes or one or two major mistakes. |
| 7 | It is assigned to a higher education applicant who, when answering questions, showed insufficient knowledge of the basic program material to the extent necessary for further study and work provided for by the program at the level of reproductive reproduction, and generally coped with the task. |
| 6-1 | It is assigned to a higher education applicant who, when answering questions, revealed serious gaps in knowledge of the basic material, made fundamental mistakes |
| 0 | It is given to the applicant in case of complete absence of a response. |

Content module 2. Functional biochemistry of the excretory system, muscle and connective tissue.

Lesson 4.

Topic: Functional biochemistry of the kidneys and urinary system.

| Rating grade, points | Criteria for grading |
|----------------------|---|
| 10 | It is awarded to a higher education applicant who, when answering questions, has demonstrated comprehensive, systematic, in-depth knowledge of the program material, is able to demonstrate the knowledge provided at the level of creative use |
| 9 | It is assigned to a higher education applicant who, when answering the question, showed full knowledge of the program material provided at the level of similar reproduction, but made some minor mistakes |
| 8 | It is awarded to a higher education applicant who, when answering questions, showed complete knowledge of the program material provided at the level of |

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| | similar reproduction, but made several minor mistakes or one or two major mistakes. |
| 7 | It is assigned to a higher education applicant who, when answering questions, showed insufficient knowledge of the basic program material to the extent necessary for further study and work provided for by the program at the level of reproductive reproduction, and generally coped with the task. |
| 6-1 | It is assigned to a higher education applicant who, when answering questions, revealed serious gaps in knowledge of the basic material, made fundamental mistakes. |
| 0 | It is given to the applicant in case of complete absence of a response. |

Lesson 5.

Topic: Functional biochemistry of muscle tissue. Functional biochemistry of connective tissue.

| Rating grade, points | Criteria for grading |
|----------------------|---|
| 5 | It is awarded to a higher education applicant who, when answering questions, has demonstrated comprehensive, systematic, in-depth knowledge of the program material, is able to demonstrate the knowledge provided at the level of creative use. |
| 4 | It is awarded to a higher education applicant who, when answering questions, showed complete knowledge of the program material provided at the level of similar reproduction, but made several minor mistakes or one or two major mistakes. |
| 3 | It is assigned to a higher education applicant who, when answering questions, revealed insufficient knowledge of the basic program material, to the extent necessary for further study and work provided for by the program at the level of reproductive reproduction, and generally coped with the task. |
| 1-2 | It is assigned to a higher education applicant who, when answering questions, revealed serious gaps in knowledge of the basic material, made fundamental mistakes. |
| 0 | It is given to the applicant in case of complete absence of a response. |

Lesson 6.

Topic: Functional biochemistry of muscle tissue. Functional biochemistry of connective tissue.

| Rating grade, points | Criteria for grading |
|----------------------|---|
| 5 | It is awarded to a higher education applicant who, when answering questions, has demonstrated comprehensive, systematic, in-depth knowledge of the program material, is able to demonstrate the knowledge provided at the level of creative use. |
| 4 | It is awarded to a higher education applicant who, when answering questions, showed complete knowledge of the program material provided at the level of similar reproduction, but made several minor mistakes or one or two major mistakes. |
| 3 | It is assigned to a higher education applicant who, when answering questions, revealed insufficient knowledge of the basic program material, to the extent necessary for further study and work provided for by the program at the level of reproductive reproduction, and generally coped with the task. |

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| 1-2 | It is assigned to a higher education applicant who, when answering questions, revealed serious gaps in knowledge of the basic material, made fundamental mistakes. |
| 0 | It is given to the applicant in case of complete absence of a response. |

Lesson 7. Semester credit

CONTROL OF CONTENT MODULES

The control of the content module (CM1, CM2) is carried out at the last practical lesson of the study of the topics of the content module according to the calendar plan for the current academic year.

Only those applicants for higher education who have completed all types of work provided for by the curriculum (worked out all missed classes, etc.) are allowed to control the CM.

Control of content module 1.

A written questionnaire is a means of diagnosing the level of training of higher education applicants. The questionnaire consists of three theoretical questions of which 2 higher education applicants are assigned from 0 to 8 points and one theoretical question is assigned from 0 to 9 points. The maximum number of points that a higher education applicant can receive is 25, the minimum is 15.

Criteria for awarding points for answering two theoretical questions:

| Points | Criteria for grading |
|--------|---|
| 8 | It is awarded to a higher education applicant who, when answering questions, has demonstrated comprehensive, systematic, in-depth knowledge of the program material, is able to demonstrate the knowledge provided at the level of creative use. |
| 6-7 | It is awarded to a higher education applicant who, when answering questions, showed complete knowledge of the program material provided at the level of similar reproduction, but made several minor mistakes or one or two major mistakes. |
| 4-5 | It is assigned to a higher education applicant who, when answering questions, revealed insufficient knowledge of the basic program material, to the extent necessary for further study and work provided for by the program at the level of reproductive reproduction, and generally coped with the task. |
| 1-3 | It is assigned to a higher education applicant who, when answering questions, revealed serious gaps in knowledge of the basic material, made fundamental mistakes. |
| 0 | It is given to the applicant in case of complete absence of a response. |

Criteria for awarding points for answering one theoretical question

| Points | Criteria for grading |
|--------|---|
| 8-9 | It is awarded to a higher education applicant who, when answering questions, has demonstrated comprehensive, systematic, in-depth knowledge of the program material, is able to demonstrate the knowledge provided at the level of creative use. |
| 6-7 | It is awarded to a higher education applicant who, when answering questions, showed complete knowledge of the program material provided at the level of similar reproduction, but made several minor mistakes or one or two major mistakes. |
| 4-5 | It is assigned to a higher education applicant who, when answering questions, revealed insufficient knowledge of the basic program material, to the extent necessary for further study and work provided for by the program at the level of reproductive reproduction, and generally coped with the task. |

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| 1-3 | It is assigned to a higher education applicant who, when answering questions, revealed serious gaps in knowledge of the basic material, made fundamental mistakes. |
| 0 | It is given to the applicant in case of complete absence of a response. |

Control of content module 2.

A written questionnaire is a means of diagnosing the level of training of higher education applicants. The questionnaire consists of three theoretical questions of which 2 higher education applicants are assigned from 0 to 8 points and one theoretical question is assigned from 0 to 9 points. The maximum number of points that a higher education applicant can receive is 25, the minimum is 15.

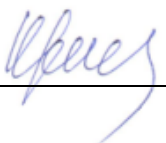
Criteria for awarding points for answering two theoretical questions:

| Points | Criteria for grading |
|---------------|---|
| 8 | It is awarded to a higher education applicant who, when answering questions, has demonstrated comprehensive, systematic, in-depth knowledge of the program material, is able to demonstrate the knowledge provided at the level of creative use. |
| 6-7 | It is awarded to a higher education applicant who, when answering questions, showed complete knowledge of the program material provided at the level of similar reproduction, but made several minor mistakes or one or two major mistakes. |
| 4-5 | It is assigned to a higher education applicant who, when answering questions, revealed insufficient knowledge of the basic program material, to the extent necessary for further study and work provided for by the program at the level of reproductive reproduction, and generally coped with the task. |
| 1-3 | It is assigned to a higher education applicant who, when answering questions, revealed serious gaps in knowledge of the basic material, made fundamental mistakes. |
| 0 | It is given to the applicant in case of complete absence of a response. |

Criteria for awarding points for answering one theoretical question

| Points | Criteria for grading |
|---------------|---|
| 8-9 | It is awarded to a higher education applicant who, when answering questions, has demonstrated comprehensive, systematic, in-depth knowledge of the program material, is able to demonstrate the knowledge provided at the level of creative use. |
| 6-7 | It is awarded to a higher education applicant who, when answering questions, showed complete knowledge of the program material provided at the level of similar reproduction, but made several minor mistakes or one or two major mistakes. |
| 4-5 | It is assigned to a higher education applicant who, when answering questions, revealed insufficient knowledge of the basic program material, to the extent necessary for further study and work provided for by the program at the level of reproductive reproduction, and generally coped with the task. |
| 1-3 | It is assigned to a higher education applicant who, when answering questions, revealed serious gaps in knowledge of the basic material, made fundamental mistakes. |
| 0 | It is given to the applicant in case of complete absence of a response. |

Зав. кафедри біологічної хімії та ветеринарної медицини, проф.



Віра КРАВЧЕНКО