

1. Criteria and evaluation order of educational outcomes

During the study of the educational component, all types of student activities are subject to control: current (at each lesson and when performing tasks for independent work of students), intermediate (checking the mastery of content modules). Current control is carried out at each practical lesson in accordance with the specific objectives of the topic, during the individual work of the teacher with the applicant for higher education for those topics that the applicant develops mainly independently.

Current control is carried out at each practical lesson in accordance with the specific objectives of the topic, during the individual work of the teacher with the student for those topics that the student develops independently.

Modular control is a diagnosis of assimilation by the applicant of higher education of the module material (credit). During the study of the discipline, there are two current controls of content modules.

Rating system for assessing students' knowledge

Ongoing assessment and independent work										
Module 1										
T1	T2	T3	T4	T5	Control of CM 1	T6	T7	T8	T9	Control of CM 2
10	10	10	10	10	15	10	10	10	10	15
55						45				
100										

T1, T2 ... T9 – Topics

The current control of content modules (CM1, CM2) totals **a maximum of 100 scores, a minimum of 60 scores.**

Incentive (additional) points: performance of an individual task, participation in competitions, contests, student scientific conferences, active participation in lectures, etc. – up to **10** scores.

The overall rating of the module (discipline) **does not exceed 100** scores.

The module is considered completed if the applicant has scored **from 60 to 100** scores.

Assessment of current learning activities is carried out at each practical lesson in the form of control of theoretical knowledge, practical skills and abilities.

At mastering of each theme of the content module for current educational activity to applicants of higher education points for all kinds of activity which at the end of studying of the semantic module are summed up are exposed.

The control of content modules (CM) is carried out at the last practical classes of studying the topics of content modules. Only those applicants for higher education who have performed all types of work provided for in the curriculum (missed seminars, lectures, etc.) are allowed to control the CM. The structure of the ticket CM 1: 6 tasks to establish the matching between the term and definition, and 1 practical task (calculation). Control of CM 2 – is student report about actual topic. The sum of points for the study of the CM is the sum of points received by the student during the study of all topics of the content module.

CONTENT MODULE 1

Assessment of current learning activities (conducted at each practical lesson) control of theoretical knowledge, practical skills and abilities. At mastering of each theme of the semantic module 1 for current educational activity to applicants of higher education points for all kinds of activity which at the end of studying of the content module are summed up are exposed. Depending on the number of points scored, a higher education applicant may receive a maximum of 55 points or a minimum of 33 points for studying the content module 1.

The following scoring system is used for each topic of content module 1 (minimum number of points for one topic 6 points, maximum – 10 points):

Assessment of practical skills - students are given from 0 to 5 points:
--

Type of task being assessed	System evaluation knowledge, points		Evaluation criteria
Practical (situational) task	from 0 to 5,0	1,5-2,0	The practical task (situational task) is performed by the student independently without errors.
		0,5-1,0	The practical task was performed independently, however, mistakes were made in the using of legal acts, interpretation of terms, principles of preparation of multimedia materials, etc.
		0	The student could not perform practical and situational tasks, did not draw up a working journal.
Assessment of theoretical knowledge, practical skills and abilities - applicants for higher education are given from 0 to 5 points:			
Assessment of theoretical knowledge, practical skills and abilities (written or oral answer)	from 0 to 5,0	4,5-5,0	is given to student who at the oral or written answer to a question has revealed comprehensive, systematized, deep knowledge of a program material, is able to interpret the received results competently; demonstrate knowledge of basic and additional literature provided at the level of creative use
		2,5-4,0	is given to the student, if during the oral or written answer to the question the applicant for higher education revealed complete knowledge of the program material, provided at the level of similar reproduction, but made some insignificant errors
		1,0-2,5	is given, if during the oral or written answer to the question the student found insufficient knowledge of the main program material, in the amount necessary for further study and work provided by the program at the level of reproductive reproduction.
		0	is given, if at the oral or written answer to a question the student has found serious gaps in knowledge of the basic material, has made fundamental mistakes.

The control of CM1 is estimated by the answer of ticket. The structure of the ticket CM 1: 6 tasks to establish the matching between the term and definition, and 1 practical task (calculation). Each correct matching is 1 task is scored 1. The practical (calculation) task is scored minimum 6 maximum 9. Answer for practical task 2 include making calculations for solving situational task (maximum 6 points) + formulation of conclusions (maximum 3 points). The sum of points for meaningful control CM1 is a maximum of **15** points. Substantive modular control CM1 is considered credited if the applicant has obtained at least **9** points.

CONTENT MODULE 2

Assessment of current learning activities (conducted at each practical lesson) control of theoretical knowledge, practical skills and abilities. At mastering of each theme of the semantic module 1 for current educational activity to applicants of higher education points for all kinds of activity which at the end of studying of the content module are summed up are exposed. Depending on the number of points scored, a higher education applicant may receive a maximum of **45** points or a minimum of **27** points for studying the content module 2.

The following scoring system is used for each topic of content module is the same in a content module 1.

The control of CM 2 is estimated by the student report. The sum of points for meaningful control CM2 is a maximum of **15** points. Substantive modular control CM 2 is considered credited if the applicant has obtained at least **9** points.

The sum of points for the study of CM 2 is the sum of points obtained by the student during the study of all topics of the content module and the compilation of the content module control. The sum of points for meaningful control CM 2 is a maximum of **15** points. Substantive modular control CM 2 is considered credited if the applicant has obtained at least **9** points. The total amount of points for CM 2 is a maximum of **45** points, a minimum of **27** points.

Grade A, B, C, D, E is given only to students who have enrolled in all modules of the educational component. The number of points that the student scored in the discipline is defined as the arithmetic mean of the number of points from the modules of the course.