

Criteria and evaluation order of educational outcomes

Control of knowledge at each lesson: oral survey, writing test tasks, solving situational (calculation) problems, etc.

Supervision of content modules: preparation of test tasks, solution of situational (calculation) problems.

Semester control form: semester credit.

Conditions for admission to the supervision of content modules: for admission to the supervision of content module, it is necessary to have a minimum number of points for the topics 1-8.

Conditions for admission to semester supervision: a current rating of more than 60 points, absence of missed practical classes, fulfillment of all requirements stipulated in the work program of the educational component.

Evaluation system of the educational component: the results of the semester supervision in the form of a semester credit are evaluated on a 100-point, non-differentiated scale ("passed", "failed") and on the ECTS scale.

The following scoring system is used:

for each topic Content module 1 (CM1): minimum number of points for one practical lesson 5 points, maximum – 9 points:

Rating marks, point	Evaluation criteria
5	receives an applicants for higher education who: showed insufficient in-depth knowledge of the main program material in oral or written answers to theoretical questions; performed a practical task with the help of a teacher.
6	receives an applicants for higher education who: found insufficient in-depth knowledge of the main program material in oral or written answers to theoretical questions; performed the practical task independently, but made significant errors in arithmetic calculations, etc.
7	receives an applicants for higher education who: found sufficient knowledge of the program material in an oral or written answer to a the level of similar reproduction, but theoretical question, provided at insignificant errors; practical task (calculation task, situational

	task, graphic task, etc.) was performed by the student independently, but made minor mistakes.
8	receives an applicants for higher education who: revealed full knowledge of the program material in an oral or written answer to a theoretical question, provided at the level of similar reproduction, but made some insignificant errors; practical task (calculation task, situational task, graphic task, etc.) performed by the student independently, but made minor errors in arithmetic calculations, etc.
9	receives an applicants for higher education who: revealed comprehensive, systematized, deep knowledge of program material in oral or written answers to theoretical questions, is able to competently interpret the results; demonstrate knowledge of basic and additional literature provided at the level of creative use; practical task (calculation task, situational task, graphic task, etc.) is performed by the student independently without errors and contains an explanation of the decision.

In order to be admitted to the semester credit, the student of higher education must pass all topics from the educational component and pass the semester supervision 1 for a passing score.

The control is carried out in the form of a credit based on approved tickets. The module is considered to be passed if the student of higher education scored at least the minimum score.

The following system of point evaluations is used to semester supervision 1, the acquirer can score min – 15 points, max – 19 points.

Grading scale

Rating marks, point	Evaluation criteria
15	issued to a student who: <ul style="list-style-type: none"> • showed insufficient deep knowledge of the main program material when answering a theoretical question orally or in writing; • completed the practical task independently, but made significant mistakes in arithmetic calculations, etc.
16	issued to a student who: <ul style="list-style-type: none"> • demonstrated sufficient knowledge of the program material when answering orally or in writing to a theoretical question provided at the level of similar reproduction, but made certain errors; • a practical task (calculation task, situational task, graphic task,

	etc.) was completed by the student independently, but he made mistakes in calculation formulas and arithmetic calculations, etc.
17	issued to a student who: <ul style="list-style-type: none"> • showed full knowledge of the program material when answering orally or in writing to a theoretical question provided at the level of similar reproduction, but made some minor mistakes; • a practical task (a calculation task, a situational task, a graphic task, etc.) was completed by the student independently, but he made minor mistakes in arithmetic calculations, etc.
18	issued to a student who: <ul style="list-style-type: none"> • showed comprehensive, systematized, in-depth knowledge of the program material when answering theoretical questions orally or in writing, knows how to correctly interpret the obtained results; demonstrate knowledge of basic and additional literature provided for at the level of creative use; • a practical task (calculation task, situational task, graphic task, etc.) completed by the student independently without errors and contains an explanation of the decision made.
19	issued to a student who: <ul style="list-style-type: none"> • showed comprehensive, systematized, in-depth knowledge of the program material when answering theoretical questions orally or in writing, confirms the main substantive provisions of the answer with factual data, is able to competently interpret the obtained results; demonstrate knowledge of basic and additional literature provided for at the level of creative use; • a practical task (calculation task, situational task, graphic task, etc.) completed by the student independently without errors, contains calculation formulas and detailed explanations of the solution.

Distribution of marks (full time study)

Current control and individual work									The semester supervision	Total
Content module 1										
T1	T2	T3	T4	T5	T6	T7	T8	self-study work	15-19	100
5-9	5-9	5-9	5-9	5-9	5-9	5-9	5-9	5-9		

T1, T2 ... T8 – topics.

Distribution of marks (part time study)

Current control and individual work									The semester supervision	Total
Content module 1										
T1	T2	T3	T4	T5	T6	T7	T8	self-study work	15-19	100
5-9	5-9	5-9	5-9	5-9	5-9	5-9	5-9	5-9		

T1, T2 ... T8 – topics.

GRADING SCALE

Rating marks	ECTS	National scale
		Module
90 – 100	A	Excellent
82 – 89	B	Good
74 – 81	C	
64 – 73	D	Fair
60 – 63	E	
35 – 59	FX	Unsatisfactorily
0 – 34	F	Unsatisfactorily (additional work is needed)