

Methods of control

The methods, forms of control and the evaluation system are carried out in accordance with the requirements of the discipline program and instructions on the assessment system of students at the European Credit and Transfer system of the educational process which was approved by Ministry of Health of Ukraine (Ministry of Health of Ukraine letter No 08.01-47/10395 from 15.04.2014).

The assimilation of the topic is controlled by practical exercises in accordance with specific objectives: the ability to determine the etiological and pathogenetic factors of the most important somatic diseases in children, to classify and analyze a typical clinical presentation of disease in children, to draw up an examination plan and analyze the data of laboratory and instrumental examinations, to establish a diagnosis and prescribe treatment; to determine the main emergency conditions and demonstrate mastery of the principles of emergency care, assess the disease prognosis, demonstrate knowledge of moral and deontological principles of a medical specialist and the principles of professional subordination in pediatrics.

To evaluate student's knowledge, the advantage is given to standardized methods of control: testing (written or computer-based), structured written work, standardized by the method of performing control of practice skills, work with standard medical documentation.

The means of control are multiple choice questions, situational clinical cases and interpretation of the data of the laboratory and instrumental examination, control of the implementation of practical skills.

- **Types of control:** current and final
- **Form of final control:** credit.

Current control is carried out at each practical lesson and aims to check the assimilation of students of the educational material.

Final control (credit) is consists of assessing the student's mastery of the educational material solely on the basis of the results of his performance of certain types of work on practical classes. Credit of the discipline is held after the end of its study, before the examination session.

Control of execution of independent work, which is provided for in the topic along with classroom work, is carried out during the current control of the topic at the corresponding classroom session. Mastering of topics that are assigned only to independent work is controlled during by the final control.

Control of individual work - defense of the case report. The case report should be written and submitted for verification on time (at least one week before the defense).

Control of assimilation of practical skills on the relevant topic of the workshop is carried out both during the current control and the final control.

Evaluation Criteria

Excellent ("5") – the student correctly responds to 90-100% of the test of A format. Correctly, clearly, logically corresponds to all standardized questions of the current topic.

Closely binds theory with practice and demonstrates the correct implementation of practical skills. Analyzes the results of the lab/instrumental investigations without problems, and has proper methods of examination of the patient. Makes differential diagnosis. Solves clinical case with higher level of difficulty and knows how to compile the material.

Good ("4") -the student responds correctly to 70-89% of the test of A format.

Correctly and essentially responds to all standardized questions of the current topic. Demonstrates knowledge of practical skills. Correctly uses theoretical knowledge to solve practical problems.

Able to solve easy and medium complexity clinical cases. Has the necessary practical knowledge and techniques and their uses, more than the required minimum.

Satisfactory ("3") -the student responds correctly to 50-69% of the test of A format. Incomplete, with the help of additional questions answers all the standardized questions on the current topic. Cannot independently make a clear logical answer. While the students is answering and demonstrating practical knowledge he makes mistakes. Can solve only the easiest situational tasks. Has knowledge of only the minimum methods of investigations.

Unsatisfactory ("2") - the student responds correctly to 50% of the test of A format.

Does not know the material of the current topic, cannot build a logical response, does not respond to additional questions, and does not understand the content of the material. During the response and demonstration of practical skills makes significant, gross mistakes.

Evaluation of the independent work of students for preparation to the practical classes is carried out during the current control of the topic at the appropriate workshop.

The current control

The current control is carried out on each practical class in accordance with specific objectives of each topic. Traditional grades are exhibited in the academic journal of student's achievement during practical classes. The practical classes in studying of the discipline "Pediatrics" are structured and provide a comprehensive assessment of all types of theoretical and practical training of students during practical classes.

Current control of *theoretical knowledge*:

- Written or computer-based testing;
- Individual questioning, interview
- Solving of typical clinical cases
- Evaluation of practical skills

Evaluation of current educational activities.

During the assessment of each subject's absorption for current educational activities, the student is exhibiting estimates for **4-th grade** (traditional) scale taking into account the approved criteria assessment for appropriate discipline. All kinds of works, based on the curriculum, are taken into account. The student should get an estimate from each topic and then it will be converted into points according to 200-point scale.

- The student responds minimum 10 MCQ's (tests according to the topic, format A).
- Answers standardized questions that requirement basic knowledge to understand the current topic.
- Demonstrates the knowledge and ability of practical skills in accordance with the topic of practical lesson.
- Solves situational clinical cases on the topic.

Form of the final control of learning performance

Final control form – **credit**

The control methods are standardized and include control of theoretical and practical training. Students are admitted to semester final control:

- who have performed all types of work, tasks provided for in the curriculum for the semester in accordance with the discipline;
- attended all classes provided by the curriculum;
- worked out missed classes;
- scored the number of points for the current success, not less than the minimum.

Students who have missed workshops are allowed with the *Dean's permission* to work academic debts up to the specified term within the semester.

The credit is granted after the end of the discipline (during the last lesson).

The credit is granted by teachers who carried out practical and other classes in the group.

“Students are given a Credit, if their average score of marks during the semester is at least "3" (120 points for 200-point scale).

The record Credit is made in the student's academic book as well as credit and examination record list.

Chart of calculation and distribution of points that students receive:

For disciplines the form of final control of which is “credit”:

The maximum number of points that the student can recruit for the current educational activity when studying the discipline is 200 points.

The minimum number of points to be dialed by the student for the current educational activities for admission is 120 points.

The calculation of points is carried out based on the student's estimates for the 4-th point (national) scale during the study of the discipline, by calculating the arithmetic mean (AM) rounded up to two decimal places. Resulting value is converted into points according to multipoint scale as follows:

$$x = \frac{CA \times 200}{5}$$

For convenience, a conversion table for 200-point scale is given below.

Recalculation of the average assessment for the current activity in a multi-level

scale for the disciplines completed

4- бальна шкала	200- бальна шкала	4- бальна шкала	200- бальна шкала	4- бальна шкала	200- бальна шкала	4- бальна шкала	200- бальна шкала
5	200	4.45	178	3.92	157	3.37	135
4.97	199	4.42	177	3.89	156	3.35	134
4.95	198	4.4	176	3.87	155	3.32	133
4.92	197	4.37	175	3.84	154	3.3	132
4.9	196	4.35	174	3.82	153	3.27	131
4.87	195	4.32	173	3.79	152	3.25	130
4.85	194	4.3	172	3.77	151	3.22	129
4.82	193	4.27	171	3.74	150	3.2	128
4.8	192	4.24	170	3.72	149	3.17	127
4.77	191	4.22	169	3.7	148	3.15	126
4.75	190	4.19	168	3.67	147	3.12	125
4.72	189	4.17	167	3.65	146	3.1	124
4.7	188	4.14	166	3.62	145	3.07	123
4.67	187	4.12	165	3.57	143	3.02	121
4.65	186	4.09	164	3.55	142	3	120
4.62	185	4.07	163	3.52	141	Менше 3	Недос- татньо
4.6	184	4.04	162	3.5	140		
4.57	183	4.02	161	3.47	139		
4.52	181	3.99	160	3.45	138		
4.5	180	3.97	159	3.42	137		
4.47	179	3.94	158	3.4	136		

Control of execution of independent work, which is provided for in the topic along with classroom work, is carried out during the current control of the topic at the corresponding classroom session. Mastering of topics that are assigned only to independent work is controlled during by the final control.

Points of discipline are independently converted both in the ECTS scale and in 4-grade scale. The ECTS scale scores in the 4-grade scale are not converted and vice versa. Scores of students who study according to one specialty, taking into account the number of points earned from discipline are ranked on the ECTS scale as follows:

Evaluation of ESTS	Statistical index
A	Best 10% of students
B	Next 25% of students
C	Next 30% of students
D	Next 25% of students
E	Next 10% of students

Ranking by assigning ratings of "A", "B", "C", "D", "E" is conducted for students of this course, who learn same specialty and successfully completed the study of discipline. Students who have received an assessment of FX, F ("2") are not written to the list of ranked students. Students with a rating FX after recompiling automatically receive a score of "E".

Points of discipline for students who have successfully completed the program are converted into a traditional 4-th grade scale according to absolute criteria, which are listed below in the table:

Scores on discipline	Score according to the four-point
----------------------	-----------------------------------

	scale
170 - 200	5
140 -169	4
139 -120	3
Low than 120	2

Evaluation of ECTS is not converted to a traditional scale because the ECTS scale and the 4-th grade scale are independent.

Objectivity of evaluation of student's educational activity is checked by statistical methods (coefficient of correlation between ECTS and estimation according to national scale).