

**Kharkiv National Medical University**  
**Department of Pediatrics №2**  
**Educational program Medicine training of the second (Master's)**  
**level of higher education training 22 "Healthcare"**  
**in specialty 222 "Medicine"**

**SYLLABUS OF THE COURSE**

**Practical Training as Doctor**

**Part PEDIATRICS (4 COURSE)**

The syllabus of the discipline was approved at the  
meeting of the Department of Pediatrics №2  
Protocol from  
"27" August 2021 № 13

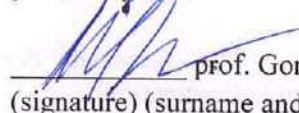
Head of Department



(signature)

prof. Makieieva N.I.  
(surname and initials)

Approved by the methodical commission of KhNMU  
on problems of professional training in  
pediatric profile  
Protocol from  
"30" August 2021 year №1  
Chairman of the methodical commission of KhNMU  
on problems of professional training  
pediatric profile



prof. Gonchar M.O.  
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## **“Practical Medical training” at the pediatric department of hospital**

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**Face-to-face consultations: by prior arrangement.**

**Online consultations:** Moodle, ZOOM according to the schedule.

**Location:** classes are held in "City Clinical Children's Hospital №16", "City Clinical Children's Hospital №24", "City Clinical Multidisciplinary Hospital №18", "City Clinical Multidisciplinary Hospital №17", Regional Children's Clinical Hospital, remotely - on ZOOM or MOODLE systems

### Discipline information

Name of indicators	Field of knowledge, direction of training, educational and qualification level	Characteristics of the discipline	
		full-time education	
Number of credits – 1,1	Training direction 22 "Healthcare" (code and name)	<b><u>Normative</u></b> (optional)	
Total number of hours - 33	Specialty: 222 "Medicine" (code and name)	<b>Year of training:</b>	
		4th	4th
		<b>Semester</b>	
		7th	8th
		<b>Lectures</b>	
Hours for full-time study: classrooms - 7 self-learning - 26	Educational qualification: Master of Medicine	h.	h.
		<b>Practical classes, seminars</b>	
		h.	7 h.
		<b>Laboratory classes</b>	
		h.	h.
		<b>Self-learning/Independent</b>	
		h.	26h.
		<b>Individual tasks: h.</b>	
Type of control - differentiated test			

The educational program in Higher Medical Education is of the second (Master's) level program, which provides the equational qualification "Master of Medicine" in the field of knowledge – 22 Healthcare, specialty 222 "Medicine". This program is based on the Law of Ukraine "On Higher Education" and the resolution of the Cabinet of Ministers of Ukraine from 01.02.2017 № 53 "On amendments to the resolution of the Cabinet of Ministers of Ukraine from 29.04.2015 № 266", in accordance with the order of the Ministry of Education and Science of Ukraine from 01.06.2016 № 600 "On approval and implementation of Guidelines for development of higher education standards".

The course program determines prerequisites for access to education, orientation and the main focus of the program, the amount of ECTS credits required for a Master's degree, list of general and special (professional) competencies, normative and variable content of training, formulated in terms of learning outcomes and control requirements quality of higher education.

The department accepts qualified students of any race, national or ethnic origin, gender, age, special needs, religion, sexual orientation, gender, veteran status, or marital status for all rights, privileges, programs, and activities, provided to university students.

**Description of the discipline (abstract).**

Pediatrics is a branch of medical science whose main task is to preserve or restore the health of a child (in case of illness) to allow them to fully realize their innate life potential.

The subject of study of the discipline includes the patterns of child development, causes, pathogenesis, clinical manifestations, diagnosis, treatment, and prevention of childhood diseases.

The study of "Pediatrics" in the 4th year is devoted to the main problems of diagnosis and treatment of the most common somatic diseases in children (epidemiology, classifications, age, course of treatment, modern methods of treatment, organization of emergency care, etc.).

As a result of theoretical and practical training, students will get acquainted with the latest knowledge on the most common diseases in children, master modern diagnostic methods, principles of treatment and organization of emergency therapy of diseases in children.

The aim of practical medical training is to consolidate practical skills within the goals defined in the educational and professional training program for specialties 222 "Medicine":

- to take complaints, history and do a physical examination of the patients and to analyze the results;
- to plan survey design of concrete patient depending on peculiarities of the clinical course of the disease;
- to analyze the results of the main laboratory and instrumental methods of examination;
- to detect the main pathological symptoms and syndromes in most common somatic diseases in children;
- to perform differential diagnostics and make preliminary diagnosis in most common somatic diseases in children;
- to interpret the main principles of treatment, rehabilitation and prophylaxis of the most common somatic diseases in children;
- to perform necessary medical manipulations;
- to have a grasp of moral and deontological principles of medical specialist and principles of professional subordination in the clinical hospital.

Consolidation of knowledge and skills received while studying the main clinical and theoretical disciplines (examination of a patient, making clinical diagnosis, prescription of treatment) and further improvement of practical skills, familiarization with organization of medical business and conditions of doctor's work in the city and district, as well as consolidation of health education work are tasks of the training.

Practical classes consist of the supervision of the patients in the departments of "City Clinical Children's Hospital №16", "City Clinical Children's Hospital №24", "City Clinical Multidisciplinary Hospital №18", "City Clinical Multidisciplinary Hospital №17", Regional Children's Clinical Hospital according to the schedule of classes, as well as during individual work with cases on specific topics.

Teaching is based on the principles of evidence-based medicine using the current standards (guidelines) of the global professional societies.

The course covers the main practical and theoretical aspects relevant to the future pediatrician and family doctor.

*Prerequisites.* The study of the discipline is based on the prior mastering of disciplines in medical biology, normal and pathological anatomy, normal and pathological physiology, biochemistry, microbiology, propaedeutics of pediatrics, medical genetics, pharmacology and medical prescription, epidemiology and principles of evidence-based medicine, emergency, and emergency practical skills in caring for pediatric patients.

*Co-requisites.* The main provisions of the discipline should be applied in the study of related disciplines during 4, 5 and 6 years of study. It is the basis for preparation for the licensing exam as well as preparation for study in higher education institutions in the programs of the third educational and scientific level of higher education.

**Objective:** to provide training for highly qualified specialists in the field of medicine, who are able to solve complex problems of diagnosis and treatment of children with the most common somatic diseases.

**The main objectives of the course** are the acquisition of competencies in accordance with the general and professional competencies of the educational-professional program "Medicine" of the second level of higher education in the specialty 222 Medicine (discipline "Pediatrics") by students.

- **Integrated competencies:**

ability to solve typical and complex specialized tasks and practical problems during professional activity in the field of health care, or in the process of training, which involves research and / or innovation and is characterized by complexity and uncertainty of conditions and requirements.

- **General competencies:**

ability of abstract thinking, analysis and synthesis, ability to learn and to apply knowledge in practical situations; knowledge and understanding of the subject area and understanding of professional activity; ability to adapt and act in a new situation; ability to make an informed decision; work in a team; interpersonal skills; ability to communicate in the state language both orally and in writing; ability to communicate in a foreign language; skills of using information and communication technologies; determination and persistence in terms of tasks and responsibilities; ability to act socially responsibly and consciously.

Professional competencies in the field of pediatrics:

Survey skills; ability to determine the necessary list of laboratory and instrumental studies and evaluate their results; ability to establish a preliminary and clinical diagnosis of the disease; ability to determine the necessary mode of work and rest, the nature of nutrition in the treatment of diseases; ability to determine the principles and nature of disease treatment; ability to diagnose emergencies; ability to determine tactics and skills of emergency medical care; skills of performing medical manipulations; ability to plan and conduct sanitary and hygienic, preventive and anti-epidemic measures, including on infectious diseases; ability to determine the tactics of management of persons subject to dispensary supervision; ability to keep medical records.

The study of this discipline develops the following social skills in students:

- communicativeness (implemented through the method of working in groups and brainstorming during the analysis of clinical cases, the method of presenting the results of independent work and their defense in the group),
- teamwork (implemented through group work method and brainstorming during the analysis of clinical cases),
- conflict management (implemented through business games),
- time management (implemented through the method of self-organization during classroom work in groups and independent work),
- leadership skills (implemented through the method of presenting the results of independent work and their defense in the group).

**Discipline status: basic.** The training format of the discipline is mixed - the learning is accompanied by the Moodle system, teaching the discipline, combines traditional forms of classroom learning with elements of distance education, which uses available interactive information technology (ZOOM, Moodle), face-to-face and distance counseling.

**Teaching methods.**

Clinical (curation of children with the most common somatic pathology), phantom, digital media (presentations, video materials, methodical recommendations, lectures), scientific (participation in scientific developments in the discipline), knowledge assessment (tests, situational tasks, assessment of practical skills, defense of a clinical case - writing a medical history)

**Learning outcomes.**

The course covers the main aspects of training of a future family doctor.

According to the training program in the discipline "Pediatrics", the student will acquire theoretical knowledge, methodological training, practical skills and abilities in the following areas:

- Anatomical and physiological features of organs and systems in children. Pathophysiological mechanisms of diseases depending on the age of the organism.
- Modern methods of examination of children with the most common somatic diseases. The main clinical syndromes of diseases in children.
- Standards for diagnosis, treatment and prevention of the most common somatic diseases in children.
- Diseases of young children - Functional gastrointestinal disorders in young children. Rickets. Hypervitaminosis D. Protein-energy malnutrition.
- Respiratory diseases in children - Acute respiratory infections of the upper respiratory tract in children. Acute bronchitis in children. Pneumonia in children. Emergency care for hyperthermic syndrome, complications of pneumonia. Congenital malformations and chronic diseases of the bronchopulmonary system in children.
- Allergic diseases in children. - Atopic dermatitis and allergic rhinitis in children. Urticaria in children. Bronchial asthma in children.
- Pediatric cardiorheumatology - The most common congenital heart disease in children. Non-rheumatic carditis. Cardiomyopathy in children. Disorders of heart rhythm and conduction in children. Acute rheumatic fever in children. Infectious endocarditis in children. Juvenile rheumatoid arthritis and reactive arthropathy in children. Systemic connective tissue diseases in children, systemic vasculitis.
- Diseases of the urinary system in children - Urinary tract infections in children. Acute and chronic glomerulonephritis in children. Chronic renal failure in children. Dysmetabolic nephropathy in children
- Diseases of the digestive system in children - Functional and organic diseases of the esophagus, stomach and duodenum in children. Functional and organic diseases of the intestine and biliary system in children. Diseases of the pancreas in children

**The content of the discipline**

Curriculum of the discipline.

**COURSE PRACTICAL MEDICAL TRAINING (PEDIATRICS - 4 COURSE) (33 h.) - 1,1 credits**  
**Lecture topics (0 h.)**

<b>Total</b>		
<b>Topics of practical classes ( 7 h.)</b>		
1	Principles of providing medical care to children in Ukraine, the Basic Laws of Ukraine on child health	0,5
2	Clinical, laboratory-instrumental diagnostics and treatment tactics of the main childhood somatic diseases in children's hospital	4
3	Providing emergency medical care in urgent conditions in children	2
4	Principles of ethics and deontology in practice of physician of pediatric department	0,5
5	Differentiated test	2
<b>Total</b>		<b>7</b>
<b>Topics of self-learning (26 h.)</b>		
1	Principles of providing medical care to children in Ukraine, the Basic Laws of Ukraine on child health	0,5
2	Clinical, laboratory-instrumental diagnostics and treatment tactics of the main childhood somatic diseases in children's hospital	20
3	Providing emergency medical care in urgent conditions in children	5
4	Principles of ethics and deontology in practice of physician of pediatric	0,5

<b>Total</b>	department	<b>26</b>
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**The list of manners and practical skills for final control (differentiated test)**

**«Main duties and professional activities of the physician of the hospital pediatric department»**

№ 3/П	Manners and practical skills	Score
1	History taking and its interpretation in children	«5» «4» «3»
2	General examination, palpation, percussion and auscultation of child's organism organs and systems	«5» «4» «3»
3	Pulse examination and its interpretation in sick children of different age	«5» «4» «3»
4	Measurement and assessment of blood pressure in sick children of different age	«5» «4» «3»
5	Registration and interpretation of ECG in sick children of different age, summary of Holter ECG monitoring	«5» «4» «3»
6	Performance and assessment of respiratory function in sick children of different age	«5» «4» «3»
7	Assessment of instrumental and laboratory methods data in children: X-ray of the chest and abdominal cavity, sonography, fibrogastroduodenoscopy, colonoscopy, CT	«5» «4» «3»
8	Assessment of blood count in sick children of different age	«5» «4» «3»
9	Assessment of biochemical parameters in sick children: glucose of blood and urine, bilirubin and its fractions, acid-base equilibrium, lipidogram etc.	«5» «4» «3»
10	Assessment of severity degree of child's condition	«5» «4» «3»
11	Grounding and formulation of the clinical diagnosis, performing of differential diagnostics of the diseases in early childhood	«5» «4» «3»
12	Composition of menu and calculation of diet for kids of the 1 <sup>st</sup> year of life	«5» «4» «3»
13	Interpretation of the common principles of treatment, primary and secondary prophylaxis of main diseases of respiratory, digestive, hematopoietic, cardiovascular and urinary system diseases in children	«5» «4» «3»
14	Primary resuscitation in children (closed-chest cardiac massage, artificial lung ventilation, intravenous injections of medicines)	«5» «4» «3»
15	Diagnostics and rendering urgent medical aid for children with convulsions, hyperthermic syndrome, exicosis and toxicosis in kids of the 1 <sup>st</sup> year of life, syncope, collapse, edema of lungs and larynx, bronchospasm, asthmatic status, disorders of cardiac rhythm, cardiac insufficiency, respiratory insufficiency, acute renal failure, infectious-toxic shock, acute hepatic insufficiency, complications of medicinal treatment (allergic reactions).	«5» «4» «3»

### **Recommended literature**

1. Nelson textbook 20<sup>th</sup> Edition by Robert M. Kliegman, MD, Richard E. Behrman, MD, Hal B. Jenson, MD and Bonita F. Stanton, MD.: SAUNDERS
2. The Harriet Lane Handbook, 21<sup>st</sup> edition. International edition, 2018. – 1255 p.
3. Pediatrics: Manual on Faculty Pediatrics for Foreign Students/Y.V.Odinets, A.F.Ruchko, I.N.Poddubnaya. – Kharkov. “Kruk”, 2003.
4. Pediatrics. Textbook./ O.V.Tiazhka, T.V.Pochinok, A.N.Antoshkina et.al./edited by O.Tiazhka – Vinnytsia : Nova Knyha publishers, 2011. – 584 pp

### **Information resources**

1. <https://reference.medscape.com/>
2. <https://www.cochranelibrary.com/about/about-cochrane-library>
3. <https://www.ncbi.nlm.nih.gov/pubmed/>  
<https://www.uptodate.com/home>

### **Discipline policy and values.**

For successful mastering of the corresponding course it is necessary to fulfill certain conditions: the student must have sufficient theoretical preparation for practical classes according to the subject; regularly attend practical classes; not be late and not miss classes; perform all necessary tasks and take an active part in each lesson; be able to work with a partner or in a group; in case of questions on the subject of the course the student has the opportunity to discuss them with the curator of the course, colleagues.

The tasks aiming to assess the level of knowledge of the student must be performed individually and independently. During such knowledge assessment tasks it is strongly forbidden for students: to communicate with another student by oral, electronic, written or any other means; to copy from another student; to bring any written or printed materials to the test unless explicitly permitted by the teacher; to bring any electronically stored information unless explicitly permitted by the teacher.

Curation of patients is possible if students have the appropriate form of clothing (medical uniform), a health book with a mark on vaccination, compliance with the sanitary-epidemic regime (during epidemics and pandemics COVID-19, etc.).

Students with special needs can meet with the teacher or warn the teacher before the start of classes, at the request of the student it can be done by the head of the group. If student has any questions, the student has the opportunity to resolve them with the course supervisor or the teacher, using the contact information provided above.

Students' participation in research and conferences on this discipline is encouraged.

KhNMU creates a space of equal opportunities free from discrimination of any national, racial or ethnic origin, sex, age, disability, religion, sexual orientation, gender, or marital status. All rights, privileges, programs and activities granted to students or staff of the University apply to all without exception, provided they are properly qualified. The anti-discrimination policy and the policy of counteracting sexual harassment of KhNMU are confirmed by the Code of Corporate Ethics and the Charter of KhNMU.

### **Behavior in the audience**

It is important for students to follow the rules of good behavior at the university. These rules are common to all, they also apply to all faculty and staff, and are not fundamentally different from the generally accepted norms.

During classes

• allowed:

- leave the audience for a short time if necessary and with the permission of the teacher;
- drink soft drinks;
- take photos of presentation slides;



- take an active part in the class.
- prohibited:
  - eat (except for persons whose special medical condition requires otherwise - in this case, medical confirmation is required);
  - smoking, drinking alcohol and even low-alcohol beverages or drugs;
  - use obscene language or use words that offend the honor and dignity of colleagues and faculty;
  - gambling;
  - damage the material and technical base of the university (damage inventory, equipment; furniture, walls, floors, litter the premises and territories);
  - shouting or listening to loud music in classrooms and even in corridors during classes.

### **Plagiarism and academic integrity**

The Department of Pediatrics №2 maintains zero tolerance for plagiarism. Students are expected to constantly raise their awareness of academic writing. The first lessons will provide information on what to consider plagiarism and how to properly conduct research and scientific research.

### **Evaluation policy**

Organization of current control. Teachers make sure that each student receives the necessary competence in the areas included in the topics of practical classes. Mastering of the topic (current control) is controlled in a practical lesson in accordance with specific goals. The following tools are used to assess the level of preparation of students: tests, solving situational problems, interpretation and evaluation of laboratory tests, methods of prescribing therapy, monitoring the acquisition of practical skills. Assessment of current educational activities (CEA) in each practical lesson is carried out on the traditional 4-point scale: "excellent", "good", "satisfactory" and "unsatisfactory".

Score for practical training is defined as the arithmetic mean of the scores for current control (in points) and scores for differential credit (in points), which is given in the assessment of practical skills according to the list specified by program of the training and by its transfer into points according the table 1, "Instructions for evaluation of curricular training activities under the European credit transfer system of the educational process organization in KhNMU "approved by KhNMU Order №52 d/d 22.02.2016.

Maximal quantity of points which the student can receive during acquisition of the credit is 200, in particular for current activity – 120 points (60%), for differential credit – 80 points (40%).

Current control of the students in pediatric department is performed by the head of the institution department and heads of practical training of teaching hospital.

Current control is performed according to concrete aims of practical training in pediatrics. Keeping a diary of practical training (which is completed by a student after every day of the training and is assigned by the head of practical training of teaching hospital and educational institution), is one of the activities kinds of the student as well as his control.

After finishing of practical training in pediatrics the students completes Bridging digital report of executed piece of work. Presence of completed and assigned by the head of the practical training Diary and Bridging digital report is obligatory for permission to pass differential credit.

The heads of practical training analyze students work in pediatric department taking into account their discipline (student must not have gaps days of training), quality of the Diary (grounding and formulation of the diagnosis, prescription of the plan of examination and treatment), quality of mastering the skills of clinical, instrumental and laboratory diagnosis, participation in providing emergency aid, applying the principles of ethics and deontology in medical practice. If a student mastered practical skills and received not less than 70 points he is allowed to take differential credit.

The final score for current educational activity (CEA) is defined as arithmetic mean of national marks for each class rounded off to two digits after comma and is recalculated into

multimark scale given in Table 1.

Table 1

**Recalculation of the average score for current educational activity into multimark scale**

4-points scale	120- points scale	4- points scale	120- points scale
5	120	3.91-3.94	94
4.95-4.99	119	3.87-3.9	93
4.91-4.94	118	3.83- 3.86	92
4.87-4.9	117	3.79- 3.82	91
4.83-4.86	116	3.74-3.78	90
4.79-4.82	115	3.7- 3.73	89
4.75-4.78	114	3.66- 3.69	88
4.7-4.74	113	3.62- 3.65	87
4.66-4.69	112	3.58-3.61	86
4.62-4.65	111	3.54- 3.57	85
4.58-4.61	110	3.49- 3.53	84
4.54-4.57	109	3.45-3.48	83
4.5-4.53	108	3.41-3.44	82
4.45-4.49	107	3.37-3.4	81
4.41-4.44	106	3.33- 3.36	80
4.37-4.4	105	3.29-3.32	79
4.33-4.36	104	3.25-3.28	78
4.29-4.32	103	3.21-3.24	77
4.25- 4.28	102	3.18-3.2	76
4.2- 4.24	101	3.15- 3.17	75
4.16- 4.19	100	3.13- 3.14	74
4.12- 4.15	99	3.1- 3.12	73
4.08- 4.11	98	3.07- 3.09	72
4.04- 4.07	97	3.04-3.06	71
3.99-4.03	96	3.0-3.03	70
3.95- 3.98	95	< 3	Insufficient

For access permit to differentiated credit in training a student has to receive from 70 up to 120 points.

**Differentiated credit for practical medical training in pediatrics**

Students who performed the program of medical training, who have properly completed report documents (Diary and Bridging digital report) and received for their current activity not less than 70 points can receive access permit to differentiated credit.

Differentiated credit in medical training for students of the 4<sup>th</sup> course provides for demonstration of manners and practical skills from the list presented in the Table 2.

Maximal score which the student can receive during the differentiated credit is 80 points. Differentiated credit is considered to be fulfilled if a student received not less than 50 points.

Table 2

**Evaluation criteria of manners and practical skills**

Skills quantity	«5»	«4»	«3»	Answering questions concerning practical part	For every practical skill a student receives from 10 up to 16 points that corresponds to:
1	16	13	10		«5» - 16 points; «4» - 13 points; «3» - 10 points.
2	16	13	10		
3	16	13	10		
4	16	13	10		
5	16	13	10		
	80	65	50		

## Discipline evaluation

Evaluation of the medical training results is performed immediately after differentiated credit marked in the schedule of educational process. Mark for discipline is defined as sum of points for current activity and differentiated credit and range from minimum 120 to maximum 200 points.

The correspondence between the scores on the 200-point scale, the four-point (national) scale and the ECTS scale is given in Table 3.

Table 3

**Correspondence of estimates on a 200-point scale,  
four-point (national) scale and ECTS scale**

Rating on a 200-point scale	Assessment on the ECTS scale	Score for four-point (national) scale
180–200	A	Excellent
160–179	B	Good
150–159	C	Good
130–149	D	Satisfactory
120–129	E	Satisfactory
Less than 120	F, Fx	Unsatisfactory

The grade in the discipline is given only to students who have passed all the final classes, tests, differentiated tests and exams.

Students who do not meet the requirements of the curriculum of the disciplines are given an Fx grade, if they were admitted to the differentiated test or exam, but did not pass it. A grade of F is given to students who are not allowed to take a differentiated test or exam.

Grades "Fx" or "F" ("unsatisfactory") are given to students who are not credited with the study of the discipline, the form of control of which is credit.

Head of the Department  
professor

Makieieva N.

**Diary of medical training in pediatrics (example)**

Student \_\_\_\_\_ faculty \_\_\_\_\_  
 Course \_\_\_\_\_ group \_\_\_\_\_  
 Period of training: from \_\_\_\_\_ 20\_\_ y. to \_\_\_\_\_ 20\_\_ y.  
 Place of training: \_\_\_\_\_ city  
 Hospital \_\_\_\_\_  
 Head of training \_\_\_\_\_  
 Medical director \_\_\_\_\_  
 (signature, seal)

Date, time	Content of performed work	Performed skill
8.00-9.00	Participation in inception meeting and head's of the department round	
9.00-10.00	Attendance at performance of esophagogastroduodenoscopy etc.	Examination of mucous membrane of the stomach, interpretation of the data of endoscopic examination
10.00-12.00	Attendance at X-ray of the lungs	Interpretation of the examination's results
12.00-15.00	Physical examination of 5 patients at the department 1. The child H., 5 years old. Diagnosis: right-side community acquired focal uncomplicated pneumonia. The following symptoms testify to it... Examination .... Treatment... 2. The child M., 6 months old. Diagnosis: Acute obstructive bronchitis. The following symptoms testify to it... Examination .... Treatment... 3. The child K., 2 years old. Diagnosis: Acute non-obstructive pyelonephritis, active stage, without renal insufficiency. The following symptoms testify to it... Examination .... Treatment... etc.	Physical examination of 5 patients (history taking, examination, taking BP). Description of the primarily admitted patient. Interpretation of the results of clinical, biochemical and instrumental methods of examination.

**Bridging digital report about medical training in pediatrics (process control)**

student \_\_\_\_\_ 4 course

\_\_\_\_\_ medical faculty \_\_\_\_\_ group \_\_\_\_\_

base hospital \_\_\_\_\_ city \_\_\_\_\_

№№	List of manners and skills	Quantity of skills	Completed
1	Daily examination of the patients	5	
2	Grounding of the diagnosis, case history filling	5	
3	Medical duty in intensive care and resuscitation unit	1	
4	Diagnostics and delivery of health care in urgent situations (convulsions, hyperthermic syndrome, exicosis and toxicosis in children of the first year of life, syncope, collapse, edema of larynx, attack of bronchial asthma, status asthmaticus, disorders of cardiac rhythm, cardiac insufficiency, respiratory insufficiency, acute renal insufficiency, complications of vaccination, and allergic reactions).	2	
5	Taking BP on the arms and legs	25	
6	Interpretation of clinical, biochemical, bacteriological and immunological blood, urine, sputum, feces and other tests.	10	
7	Interpretation of endoscopic methods of examination, pH-metry	2	
8	Interpretation of ECG	5	
9	Interpretation of X-ray examination of the chest, GIT, and urinary system	5	
10	Interpretation of spirometry, echocardiography results etc.	2	
	Total Grade Points		

Signature of the lecturer \_\_\_\_\_