**The Form #U – 3.04**

MINISTRY OF HEALTH OF UKRAIN

KHARKIN NATIONAL MEDICAL UNIVERSITY

APPROVED
Vice-rector for scientific
educational work

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Prof. V.D.Markovski

\_\_\_\_\_\_\_\_\_\_\_\_Department of Fundamental Medicine #2\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**SYLLABUS OF THE COURSE**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Nursing for patients, practice\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**(The title of the course)**

Training direction\_\_\_\_\_\_\_\_\_ 1201 "Medicine" \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 (The code name and field of study)

specialty\_\_7.12010001 Medicine,
       \_\_\_7.110105 "Medical prophylaxis"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 (code and name of specialty)

specialization \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 (name of specialization)

Institute faculty \_\_\_ Kharkiv National Medical University,

 \_\_\_\_V faculty of foreign students \_\_\_\_\_\_

 (name of institution, faculty)

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| --- | --- | --- |
| The work program adopted at the session of the Fundamental Medicine#2Protocol of"28" September 2015 number 1Head of Department\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Klimenko V.A.               (signature) (surname and initials)“\_\_\_”\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 20\_\_ |  | Approved methodical commission on problems KhNMU\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_                          (Title)Protocol of"\_\_\_\_" \_\_\_\_\_\_\_\_ 20\_\_\_ year № \_\_\_chairman\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (signature) (surname and initials)"\_\_\_\_" \_\_\_\_\_\_\_\_\_\_\_ 20\_\_\_\_ year |

The Developers:

Klimenko Viktoria - the head of the department of Fundamental Medicine #2, associate professor, Dr.scient.med.,

Sivoplyas-Romanova Hanna, associate professor, PhD,

1. **The purpose and objectives of the course**

The purpose of the study “Nursing for patients, practice “is to reach the ultimate goals which are based on OPP training general practitioners and is the basis for the construction of the course content. The description objectives are formulated through ability as target tasks (actions). The ultimate goals to each section are defined on the basis of specific targets in the form of certain abilities (actions), targets that achieve the ultimate goal of the discipline. On the basis of the ultimate goals to each section defined specific targets in the form of certain abilities (actions) targets that achieve the ultimate goal of the internship.

**Objective:** To develop the skills of nursing care for the child, depending on age. Following the completion of the course the student **should know:**

* the standards of medical technology in the practice of nursing;
* the principles of treatment and care for sick children in the pediatric hospital;
* the standards of medical records documentation inpatient treatment facility;
* the requirements of medical ethics and ethics in dealing with colleagues, patients and their relatives with regard to their psychological characteristics, and measures to create a healthy psychological climate in the medical environment.

**And to be to:**

- apply the standards of medical technologies in the practice of nursing;

- organize treatment and care for sick children in the pediatric hospital;

- keep medical records patient medical institution;

- communicate with colleagues, patients and their relatives regarding to their psychological characteristics and create a healthy psychological climate in the medical environment.

Nursing practice is taken by conducting practical classes, independent work, and consultations. During practice students continue acquaintance with the clinic and directly communicate with patients so student’s working time consist of two parts:

1) theoretical material about specifics of hospital and basic manipulations and their testing under the supervision of a teacher (in the form of practical classes – classroom part of practice);

2) self-study of student in hospital departments and reinforce their knowledge and skills.

Practical lessons take 2 academic hours.

1. **The program of the course**

**Section 3 of the discipline "nursing practice".**

**Topic 1. Organization of the office nurse. Medical records, the order of reference.**

The duties of a nurse in pediatric department. The moral and legal responsibility of a nurse in pediatric department to the public. Guarantees and protect the legitimate rights of nurse. Features nurse relationships with children and their relatives. Structure and function of the pediatric hospital. Organization of the office nurse. Documentation is filled guard sister, and rules of conduct. Rules transfer duties following changes. Organization of the nursing’s manipulations cabinet. Main office records of manipulation. Rules storage and keeping of drugs and medical instruments to manipulation and post office. Prescribing, records and storage potent, narcotic and toxic substances under the current legislation. Organization of the sisters procedure room. Terms storing medical instruments in a procedural cabinet. Registration of patients coming to the office. Filling history.

***Practical skills of topic 1:***

- Familiarity with the legislation of the nursing staff in the children's department.

- Mastering the basic rules of the relationship with a sick child and his family.

- The study of functional responsibilities (job description) nursing staff in the children's department.

- Familiarity with the organization and work of the office nurse in the children's department.

- Familiarity with the rules of manipulation nurses office.

- Mastering of writing, storing and accounting potent, narcotic and toxic substances under the current legislation.

- Familiarity with the rules of procedure room nurse.

- Mastering the requirements for registration of patients coming to the office and filling out medical history.

**Topic 2. Providing diagnostic process in pediatric hospital.**

Rules of filling documentation for the direction of biological materials for laboratory tests. Rules for taking Zimnitskiy, Nechiporenko and Addis-Kakovsky urine tests, their diagnostic value. Technique of urine intake in neonates and infants, usage of urine drain bag. Preparation of patients and necessary equipment for taking stool for helminthes eggs, occult blood and dysbiosis tests. Technology of taking swabs from a nose and a throat for bacteriological test. The rules of patients and necessary equipment preparation of sputum collection for bacteriological and clinical tests.

***Practical skills for topic 2:***

- mastering the rules of documentation filling for sending biological materials for laboratory tests.

- mastering the rules of taking urine for Zimnitskiy, Nechiporenko and Addis-Kakovsky tests.

- Mastering the technique of taking urine in neonates and infants and urinal drain bag usage.

- Mastering the rules of patients and necessary equipment preparation for helminthes eggs, occult blood and dysbiosis stool tests.

- Mastering the technique of taking swabs from the nose and throat for bacteriological and research.

- Mastering the rules of patients and necessary equipment preparation for sputum collection for bacteriological and clinical tests.

**Topic 3. Providing treatment process in pediatric hospital.**

Thermometry, measurement of blood pressure, pulse checking and entering these data into the leaf temperature in children of all ages. Drug-free means helping children with hyperthermia. Terms imposition warming compress. Technology of mustard plasters, use a hot-water bottle, bubble with ice usage. Terms of usage of stationary and handheld inhalers, nebulizers. Methodology and machinery moist oxygen supply and use oxygen pillow. Gastric lavage, ways of its implementation, taking wash water for laboratory tests. Preparation of probes, catheters, tips to manipulation.

***Practical skills for topic 3:***

- Conduct thermometry, blood pressure, pulse measurements with entering these data into the temperature leaf in children of all ages.

- Non-drug means usage for helping children with hyperthermia.

- Rules of applying a warming compress.

- The usage of mustard plasters.

- The usage of hot-water bottle, bubble with ice.

- Using handheld and stationary inhalers and nebulizers.

- Moistened oxygen supply and use oxygen pillow.

- Gastric lavage providing, ways of its implementation, taking wash water for research.

- Preparation of probes, catheters, tips to manipulation.

**Topics 4. The range of responsibilities and action squads and manipulative nurse pediatric department.**

The rules of oral drugs administration to children. Preparing of manipulation table for work. The technique of subcutaneous, intramuscular, intravenous injection. Calculation of the dose of antibiotic in children of different age. Rules of dropper systems filling for infusion and holding intravenous infusions. Basic requirements for disinfection, pre-cleaning of tools. Working with medication administration record.

**Practical skills for topic 4:**

- mastering the rules of oral drugs administration to children.

- preparing of manipulation table for work.

- mastering the technique of subcutaneous, intramuscular, intravenous injection.

- calculation of the dose of antibiotic for children.

- mastering the rules of dropper systems filling for infusion and holding intravenous infusions.

- mastering the basic requirements for disinfection, pre-cleaning of tools.

- mastering the rules of medication administration record filling.

**Final class,** including control of practical skills of situation tasks, test control of theoretical knowledge.

1. **Description of the course**

|  |  |  |
| --- | --- | --- |
| Name of indicators | Industry of knowledge, direction of training, education level | Characteristics of the course |
| **Full-time education** | **Evening-time education** |
| **Number of credits – 1,6** | Training direction1201 "Medicine"(code name) | **Regulatory**(optional) |
| Total hours - 47 | Specialty:7.12010001 Medicine7.110105 "Medical prophylaxis"  (code name) | **Year of training:** |
| III | **-** |
| **Semester** |
| VI | **-** |
| **Lectures** |
| Hours for full-time education:classroom - 9,self-learning - 38 | Education level:specialist | **-** | **-** |
| **Practical classes, seminars** |
| **9 h** | **-** |
| **Laboratory classes** |
| **-** | **-** |
| **Self-learning** |
| **80 h** | **-** |
| **Individual tasks****-** |
| **Type of control:**grading test |

1. **The structure of the course**

|  |  |
| --- | --- |
| Titles of disciplines section and themes | Number of hours |
| The form of study (full-time) |
| Total | Including |
|  | lec | class | lab | ind | self |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Section of discipline # 1 |
| Topic 1. Organization of the office nurse. Medical records, the order of reference. |  |  | 1 |  |  | 9,0 |
| Topic 2. Providing diagnostic process in pediatric hospital. |  |  | 2 |  |  | 9,0 |
| Topic 3. Providing pediatric treatment process in hospital. |  |  | 2 |  |  | 9,0 |
| Topic 4. The range of responsibilities and action squads and manipulative nurse pediatric department. |  |  | 2 |  |  | 9,0 |
| **Final class** |  |  | 2 |  |  | 2 |
| Total for section # 1 |  |  | 9 |  |  | 38 |

1. **Topics of lectures are not planned.**
2. **Topics for seminaries are not planned.**
3. **Topics for laboratory classes are not planned.**
4. **Topics for self-learning.**

|  |  |  |
| --- | --- | --- |
| The order number | **Topic** | Number of hours |
| 1 | Topic 1. Organization of the office nurse. Medical records, the order of reference. | 9 |
| 2 | Topic 2. Providing diagnostic process in pediatric hospital. | 9 |
| 3 | Topic 3. Providing pediatric treatment process in hospital. | 9 |
| 4 | Topic 4. The range of responsibilities and action squads and manipulative nurse pediatric department. | 9 |
| 5 | Topic 5. Final class. | 2 |
| Total **hours for self-learning** | 38 |

1. **Individual tasks are not planned.**
2. **Teaching methods**

According to the curriculum, the types of students’ educational activities include: a) lectures, b) practical classes, c) self-training of students (STS), d) summative assessment (final classes with a grading test in the end), e) tutorials.

Practical classes are conducted pursuant to the conveyor principle according to topics and process charts. The duration of practical classes is 2 hours (1 hour for the first class). Classes are held in the children's sections of the department’s clinical base.

**12. Control methods**

***Current educational activity*** (hereinafter - the ***CEA***) is carried out by the teacher of an academic group. After the students have mastered each topic of the course their academic achievements are evaluated on a 4-point (traditional) scale. The teacher automatically receives the average semester grade (with the accuracy up to one hundredth) for everyday activity via the electronic journal of the ACS system. Subsequently, if in the current semester the academic course ends with a test, the average grade of the current academic progress is converted into a 200-point ECTS scale, but if the academic course is not completed in the current semester, the academic control in the semester is current or there is a test. In this case the lecturer transforms the average grade of the student’s current academic progress into a 120-point ECTS scale.

***Current educational activity of students*** is controlled during practical classes according to specific goals. The following means are used to determine the level of the students’ readiness for practical classes: tests, case problem-solving, oral examination, interpretation and evaluation of the results of laboratory and instrumental studies, the control of practical skills etc.

The topical curriculum provides for **two summarizing classes** with compulsory control of practical skills, the assessment of clinical and laboratory data as well as instrumental examinations of healthy and sick children and the issue of rational feeding of infants. In addition, students draw up and defend a child's medical case history.

***The final class*** (hereinafter - ***FC***) is conducted after a logically completed part of the course which consists of a set of educational elements of the working program combining all types of training (theoretical, practical etc.) as well as the elements of education and vocational training (academic course, all types of practices, assessment), which are implemented by the respective forms of the academic process.

The final class (***FC***) is held by the teacher of an academic group. The forms in which the ***FC*** is conducted should be standardized and should include supervision of all types of training (theoretical, practical, self-practice and others) envisaged in the working program of course. Students are estimated by traditional grades at the final class.

Aspects to be checked:

1. the level of knowledge development regarding the scientific and theoretical content of the section acquired during classes (the form of tests, structured tasks etc.);
2. the level of development of compulsory skills and abilities that are a part of the section;
3. completion of the student’s individual tasks;
4. the amount of educational material attributed to self-training as separate educational topics (controlled in the form of tests).

**The grade for the section** consists of the sum of grades for current educational activity (in points) and of the grade for the final class (in points), which is awarded in the course of the evaluation of theoretical material and practical skills in accordance with the list determined by the practice program.

The **maximum number of points** which may be consequently obtained by students is 200 points; this includes 120 points for current educational activity and 80 points for the final lesson.

***Current educational activity of students*** is controlled during practical classes according to specific goals in the course of each practical class as well as during self-training in the hospital department. It is recommended to apply the following means of diagnostics of the students’ level of readiness: control of practical skills, solving cases and test control of theoretical knowledge.

The current assessment of students on respective topics is conducted in the traditional 4-point grade scale ("excellent", "good", "satisfactory" and "unsatisfactory") with further conversion into a multiscore scale.

**The grade "Excellent"** is given when the student knows the program in toto, illustrating the answers with various examples; gives clear and comprehensive answers without any hints; delivers the material without any inaccuracies or errors; performs practical tasks of a different degree of complexity.

**The grade "Good"** is given when the student knows the whole program and understands it well, gives correct, consistent and structured but not completely comprehensive answers to questions, although he is able to answer additional questions without mistakes; solves all cases and performs practical tasks experiencing difficulties only in the most complex situations.

**The grade "Satisfactory"** is given to the student based on his satisfactory level of knowledge and understanding of the entire subject. The student is able to solve modified tasks with the help of hints; solves cases and applies practical skills experiencing difficulties in simple cases; is unable to deliver a consistent answer, but answers direct questions correctly.

**The mark "Unsatisfactory"** is given when the student's knowledge and skills do not meet the requirements of the grade "satisfactory".

Given the number of practical classes the grades are converted into the multiscore scale as follows:

**The mark "Excellent" – 72-80 scores**

**The mark "Good" – 60-71 scores**

**The mark "Satisfactory" – 50-59 scores**

**The mark "Unsatisfactory" – 0 scores**

**13. Conversion of the average grade for current activity**

**into a multiscore scale.**

The conversion is performed under the "Instruction on the evaluation of academic activity of students…" (Table 1).

Table 1

**Conversion of the average score for current activity into a multipoint scale**

 **(for courses that end with a grading test)**

| 4-point scale | 200- point scale  |  | 4- point scale  | 200- point 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 | Less than 3 | Not sufficient |

**14. Methodical support**

1. Methodical recommendations of the department.

2. Tables, scales, height meters, centimeter tapes, tonometers, phonendoscopes, spirographes, electrocardiographes, medical case histories, training dummies.

**15. Recommended literature**

1. **1.** Kapitan T. Propaedeutics of children’s diseases and nursing of the child: Textbook for students of higher educational institutions. – Vinnitsa: The State Cartographical Factory, 2006. – 736 pp.
2. Kliegman: Nelson Textbook of Pediatrics, 18th ed.
3. Basic duties and professional actions of nurse in children’s department: Practical manual foe 3rd year medical students of higher medical educational establishments / T. Frolova, A. Bilovol, I.Siniaieva at al. Kharkiv, 2009. – 124 p.

**16. Information resourses**

**1.** The library of Kharkiv National Medical University

2. Repositarium of Kharkiv National Medical University

3. Internet.