

Kharkiv National Medical University
VI Medical Faculty for training foreign students

Department of Pediatrics №2
Academic year 2023-2024

SYLLABUS OF THE EDUCATIONAL COMPONENT
«Nursing in hematology and basics of transfusion»
(name of educational component)

Normative or optional educational component _ optional

Form of obtaining education __ full-time _____
(full-time; part-time; remote)

Field of knowledge __22 "Health care" _____
(code and name of field of knowledge)

Specialty 223 "Nursing_" _____
(code and name of specialty)

Specialization (if available) _____

Educational and professional program (educational and scientific program) "Nursing"


First (bachelor's/educational-scientific) level of higher education

Course __3rd__

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 pediatric profile
Protocol from

"30 " August 2021 year №1

Chairman



(signature) (surname and initials) prof. Gonchar M.O.

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Face-to-face consultations: by prior arrangement.

Online consultations: Google Meet, Microsoft Teams according to the schedule.

Location: classes are held in "City Clinical Children's Hospital №16", remotely - on Google Meet, Microsoft Teams or MOODLE systems

INTRODUCTION

The syllabus of the educational discipline «Nursing in hematology and basics of transfusion» has been compiled in accordance with the Standard of Higher Education of Ukraine (hereinafter - the Standard) _____ bachelor's degree _____

(name of higher education level)

fields of knowledge 22 "Health care" _____

code and name of field of knowledge)

specialty _____ 223 Nursing" _____

(code and specialty name)

specialization(s) _____

(code and name of specialization)

of the educational program "Nursing" _____

(name of educational program)

Description of the educational discipline (abstract) The syllabus of the educational discipline «Nursing in hematology and basics of transfusion» is intended for students of higher medical educational institutions of the III-IV accreditation levels of the "Nursing" specialty, the "Bachelor of Nursing" qualification, the training direction 22 "Health Care". The discipline is studied during the 1st semester. Volumes of the discipline section - 3 credits. Number of hours: total - 90; classrooms - 36, including practical classes - 34, lectures - 2; independent work - 54.

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

Interdisciplinary connections: medical biology, anatomy, physiology, pathological anatomy, pathological physiology, biochemistry, histology, propaedeutics of children's diseases, microbiology, medical radiology, pharmacology.

Prerequisites The study of the discipline involves the prior learning of the academic disciplines of medical biology, normal and pathological anatomy, normal and pathological physiology, biochemistry, microbiology, propaedeutics of children's diseases, medical genetics, pharmacology and medical prescription, epidemiology and principles of evidence-based medicine, emergency and emergency medical care, and practical skills in the care of pediatric patients.

Post-requisites. The main provisions of the academic discipline should be applied when studying related disciplines. It is a base for preparation for the EDKI licensing exam, preparation for studying in institutions of higher education on programs of the second educational and scientific level of higher education.

Link to the subject page in MOODLE

1. The purpose and tasks of the educational discipline

1.1. The purpose of teaching the educational discipline «Nursing in hematology and basics of transfusion» is establishing the final goals based on the educational and professional programs (EPP) of training a nurse with the qualification "Bachelor of Nursing", which is the basis for building the content of the educational discipline. The description of goals is formulated through skills in the form of target tasks (actions). On the basis of the final goals, specific goals are formulated in the form of certain skills (actions), target tasks that ensure the achievement of the final goal of studying the discipline.

1.2. The main tasks of studying the discipline «Nursing in hematology and basics of transfusion» are studying the discipline and solving the following tasks:

1. To improve knowledge on the organization of medical and preventive care for children and the specifics of the work of nurses in these institutions.
2. To determine the etiological and pathogenetic factors of the most common diseases of the blood system in childhood.

3. To classify and analyze the typical clinical picture of the most common hematological diseases of childhood.
4. Draw up an examination plan, prepare patients for examination and analyze data from laboratory and instrumental examinations in the typical course of the most common diseases of the blood system in childhood.
5. Carry out differential diagnosis and make a nursing diagnosis in the typical course of the most common children's hematological diseases.
6. Demonstrate mastery of the principles of patient care, diet therapy, treatment, rehabilitation, and prevention of the most common diseases of the blood system in childhood.
7. Provide pre-medical emergency care to children with diseases of the blood system.
8. Assess the prognosis for the most common diseases of the blood system in childhood.
9. Demonstrate mastery of the moral and deontological principles of a medical specialist and the principles of professional subordination in pediatrics.

1.3 Competencies and learning outcomes, the formation of which contributes to the discipline (interrelationship with the normative content of the training of higher education applicants, formulated in terms of learning outcomes in the Standard).

1.3.1. The study of the academic discipline ensures that students acquire the following competencies:

- integral:

The ability to solve complex specialized tasks and practical problems in the field of nursing or in the learning process, which involves the application of certain theories and methods of the relevant science and is characterized by the complexity and uncertainty of conditions.

- general:

GC 03. Ability to abstract thinking, analysis and synthesis.

GC 04. Ability to apply knowledge in practical situations.

GC 05. Knowledge and understanding of the subject area and understanding of professional activity.

GC 10. Ability to make informed decisions.

- special (professional, subject):

PC 01. The ability to apply professional and legal standards in daily professional practice.

PC 02. The ability to recognize and interpret signs of health and its changes, illness or disability (assessment/diagnosis), limitations of the possibility of full-fledged life activities, and to determine the problems of patients with various diseases and conditions.

PC 06. The ability to effectively apply a set of professional skills (abilities), medical supplies, interventions and actions in assessing the functional status of patients/clients, preparing them for diagnostic examinations and taking biological material for laboratory examinations.

PC 12. The ability to orientate in determining the group belonging of drugs, the peculiarities of their pharmacokinetics and pharmacodynamics.

PC 13. The ability to identify the relationship between clinical manifestations of diseases and the results of additional methods of examinations.

1.3.2. The study of the academic discipline ensures that students acquire the following program learning outcomes:

PLO 1. Conduct a nursing subjective and objective examination of various organs and systems of the patient and evaluate the obtained data.

In the conditions of health care facilities and at home, by communicating with patients of different ages, their relatives or close friends, a sick child and his parents, be able to collect complaints, disease history, life history, allergic history, epidemiological history, evaluate anamnestic data.

PLO 2. Conduct nursing diagnosis: identify and assess patient problems.

In the conditions of health care facilities, at home, predictable circumstances, to be able to identify the real problems of the patient, assess their priority and establish a nursing diagnosis. PLO 3. Plan nursing interventions.

In the conditions of health care facilities, at home and under unforeseen circumstances, be able to

make a plan of nursing interventions to solve real and related problems of patients of various ages.

PLO 4. Monitor the work of junior medical staff and the state of inventory.

In the conditions of health care facilities, in accordance with job duties, in order to comply with the sanitary and anti-epidemic regime, be able to:

- Conduct training of junior medical personnel on the performance of functional duties and occupational health and safety; monitor compliance with safety rules by junior medical personnel.
- Monitor the work of junior medical staff; control the implementation of the rules of the internal procedure by staff and patients; monitor compliance with measures of sanitary and hygienic regime in wards and medical offices.

PLO 5. Execute nursing administration.

In the conditions of health care facilities, in order to implement organizational and management competencies, to be able to:

- make management decisions, ensure their implementation based on the application of nursing management models;
- ensure the implementation of orders and resolutions on health care issues;
- master the functional duties of the head of nursing services;
- know the procedure for licensing and accreditation of medical and preventive facilities, laboratories of various profiles, etc.

PLO 6. To ensure a healthy microclimate in the team, using the principles of nursing ethics and deontology, the rules of interpersonal communication in order to create a favorable psychological microclimate, to be able to:

- communicate with the patient and members of his family or close friends, medical staff;
- to solve ethical and deontological problems in the process of working with the patient and his family members; consider and analyze professional mistakes in the team; conduct training for junior and technical personnel.

PLO 7. To participate in the monitoring of healthy and sick population, rehabilitation and dispensary supervision.

In the conditions of health care facilities, at home and in the community, using the current orders of the Ministry of Health of Ukraine, in order to form, preserve and improve the health of the adult and child population, to be able to:

- keep records of dispensary population groups;
- to calculate and analyze statistical data of dispensation efficiency;
- conduct explanatory work among patients of different dispensary groups;

keep records of health groups;

- calculate and evaluate individual indicators and indicators of the complex effect of the microclimate on the human body;
- to determine the stages of medical and social rehabilitation of the patient, tasks for each stage;
- make a complex of rehabilitation measures depending on the profile, course, period of the disease or injury;
- conduct a census of the child population.

PLO 8. To perform medical manipulations in order to ensure a sanitary and anti-epidemic regime.

PLO 12. Correctly perform medical manipulations in order to take measures to stabilize the functional state of the body.

PLO 14. Be able to prepare the patient, collect and send biological material for laboratory and instrumental examinations.

PLO 16. The ability to be accurate in performing interdependent nursing functions.

PLO 20. Properly maintain appropriate medical records.

1.3.3. The study of the academic discipline ensures that students acquire the following social skills (soft skills):

- communication skills (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 defending them in a group),
- teamwork (implemented through: the method of working in groups 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: a method of presenting the results of independent work and defending them in a group).

2. 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 –3 | Training direction 22 "Healthcare" (code and name) | <u>Optional</u> | |
| Total number of hours - 90 | Specialty: 223 "Nursing" (code and name) | Year of training: | |
| | | 3rd | |
| | | Semester | |
| | | | |
| Hours for full-time study: classrooms - 36 self-learning - 54 | Educational qualification: Bachelor of Nursing | Lectures | |
| | | 2 h. | h. |
| | | Practical classes, seminars | |
| | | 34 h. | h. |
| | | Laboratory classes | |
| | | h. | h. |
| | | Self-learning/Independent | |
| | | 54 h. | h. |
| Individual tasks: h. | | | |
| | | Type of control - credit | |

2.1 Description of the discipline

2.2.1 Lectures

| № з/п | Topic | Number of hours | Types of lectures |
|----------|--|-----------------|-------------------|
| 1 | Hemostasis system. Hemorrhagic diseases in children. Hemophilia, thrombocytopenia, thrombocytopenia and hemorrhagic vasculitis in children. Emergency aid. | 2 | Thematic |
| | Total amount the hours | 2 | |

2.2.2 Seminar classes are not included in the program.

2.2.3 Practical training

| № з/п | Topics | Number of hours | Teaching methods | Forms of control |
|----------|---|-----------------|------------------|------------------|
| 1 | Iron-, protein-, and vitamin-deficient, | 9 | conversation, | oral survey |

| | | | | |
|----|--|----|--|--|
| | posthemorrhagic, hemolytic, and aplastic anemias in children. | | illustration, demonstration, presentation, video clips, video films, discussion, role-playing, simulation game, simulation of processes and situations, case method, "Brainstorming" method, webinar, sparring partnership (training in pairs), virtual consultation, virtual tutorial | (individual and face-to-face); written survey; test control; creative tasks; testing of practical skills |
| 2 | Hemorrhagic diseases in children. Hemophilia, thrombocytopenia, thrombocytopenia and hemorrhagic vasculitis in children. | 9 | | |
| .3 | Leukemias and lymphomas in children. | 8 | | |
| 4 | Total amount the hours | 8 | | |
| | Total amount the hours | 34 | | |

2.2.4. Laboratory classes are not included in the program

2.2.5. Independent work

| № з/п | Topics | Number of hours | Teaching methods | Forms of control |
|-------|---|-----------------|---|---|
| 1 | Hematopoietic system and methods of its research. Normal indicators of blood elements in children of different ages. Clinical interpretation of results of clinical blood analysis and myelogram in children of different ages. | 10 | illustration, demonstration, presentation, video clips, video films, virtual consultation, virtual tutorial | oral survey (individual and face-to-face); written survey; test control; creative tasks; test of practical skills, essays; self control |
| 2 | Deficiency anemias: iron-deficiency, B-12-deficiency and folate-deficiency anemias. | 4 | illustration, demonstration, presentation, video clips, video films, virtual consultation, virtual tutorial | oral survey (individual and face-to-face); written survey; test control; creative tasks; test of practical skills, essays; self control |
| ..3. | Hereditary, acquired and immune hemolytic anemias. Aplastic anemia. | 4 | ілюстрація, демонстрація, презентація, | усне опитування (індивідуальне |

| | | | | |
|---|---|---|---|---|
| | | | відеоролики, відеофільми, та інші. | і фронтальне); письмове опитування; тестовий контроль; творчі завдання; перевірка практичних навичок |
| 4 | System of hemostasis and methods of its research. IgA vasculitis. Thrombocytopenic purpura. Thrombocytopathies in children. | 4 | ілюстрація, демонстрація, презентація, відеоролики, відеофільми, та інші. | усне опитування (індивідуальне і фронтальне); письмове опитування; тестовий контроль; творчі завдання; перевірка практичних навичок |
| 5 | Coagulopathy in children. Hemophilia. Willebrand's disease. | 4 | ілюстрація, демонстрація, презентація, відеоролики, відеофільми, та інші. | усне опитування (індивідуальне і фронтальне); письмове опитування; тестовий контроль; творчі завдання; перевірка практичних навичок |
| 6 | Leukemias in children. Lymphoblastic leukemias in children. | 5 | ілюстрація, демонстрація, презентація, відеоролики, відеофільми, та інші. | усне опитування (індивідуальне і фронтальне); письмове опитування; тестовий контроль; творчі завдання; перевірка практичних навичок |
| 7 | Myeloblastic leukemias in children. | 4 | ілюстрація, демонстрація, | усне опитування |

| | | | | |
|----|--|---|---|---|
| | | | презентація, відеоролики, відеофільми, та інші. | (індивідуальне і фронтальне); письмове опитування; тестовий контроль; творчі завдання; перевірка практичних навичок |
| 8 | Lymphomas in children. Hodgkin's lymphoma. Non-Hodgkin's lymphomas in children. | 5 | ілюстрація, демонстрація, презентація, відеоролики, відеофільми, та інші. | усне опитування (індивідуальне і фронтальне); письмове опитування; тестовий контроль; творчі завдання; перевірка практичних навичок |
| 9 | Leukemoid reactions in pediatrics. Myelodysplastic syndrome | 5 | illustration, demonstration, presentation, video clips, video films, virtual consultation, virtual tutorial | oral survey (individual and face-to-face); written survey; test control; creative tasks; test of practical skills, essays; self control |
| 10 | Classification of components and preparations of donor blood, their characteristics, indications for use, storage conditions. | 5 | ілюстрація, демонстрація, презентація, відеоролики, відеофільми, та інші. | усне опитування (індивідуальне і фронтальне); письмове опитування; тестовий контроль; творчі завдання; перевірка практичних навичок |
| 11 | Methods of calculating blood loss, indications for hemotransfusions. Posttransfusion complications. Emergency aid. Prevention. | 4 | illustration, demonstration, presentation, video clips, video films, | oral survey (individual and face-to-face); written survey; test control; |

| | | | | |
|--|------------------------|----|--|--|
| | | | virtual consultation, virtual tutorial | creative tasks; test of practical skills, essays; self control |
| | Total amount the hours | 54 | | |

3. EVALUATION CRITERIA

3.1. The evaluation of the educational success of education seekers is carried out on the basis of the current "Instructions for the evaluation of the educational activity of education seekers of the KHNMU"

Organization of current control. Teachers ensure that each student receives the necessary competence in the areas included in the topics of practical classes. Mastery of the topic (current control) is monitored in a practical session according to specific goals. The following tools are used to assess the level of training of education seekers: tests, solving situational problems, interpreting and evaluating the results of laboratory studies, the method of prescribing therapy, monitoring the acquisition of practical skills. Evaluation of the current educational activity (CEA) in each practical session is carried out according to the traditional 4-point scale: "excellent", "good", "satisfactory" and "unsatisfactory".

Recalculation of the average grade for the current activity into a multi-point scale (for disciplines ending with credit)

| 4-point scale | 200-point scale | 4-point scale | 200-point scale | 4-point scale | 200-point scale |
|---------------|-----------------|---------------|-----------------|---------------|-----------------|
| 5 | 200 | 4.22-4,23 | 169 | 3.45-3,46 | 138 |
| 4.97-4,99 | 199 | 4.19-4,21 | 168 | 3.42-3,44 | 137 |
| 4.95-4,96 | 198 | 4.17-4,18 | 167 | 3.4-3,41 | 136 |
| 4.92-4,94 | 197 | 4.14-4,16 | 166 | 3.37-3,39 | 135 |
| 4.9-4,91 | 196 | 4.12-4,13 | 165 | 3.35-3,36 | 134 |
| 4.87-4,89 | 195 | 4.09-4,11 | 164 | 3.32-3,34 | 133 |
| 4.85-4,86 | 194 | 4.07-4,08 | 163 | 3.3-3,31 | 132 |
| 4.82-4,84 | 193 | 4.04-4,06 | 162 | 3.27-3,29 | 131 |
| 4.8-4,81 | 192 | 4.02-4,03 | 161 | 3.25-3,26 | 130 |
| 4.77-4,79 | 191 | 3.99-4,01 | 160 | 3.22-3,24 | 129 |
| 4.75-4,76 | 190 | 3.97-3,98 | 159 | 3.2-3,21 | 128 |
| 4.72-4,74 | 189 | 3.94-3,96 | 158 | 3.17-3,19 | 127 |
| 4.7-4,71 | 188 | 3.92-3,93 | 157 | 3.15-3,16 | 126 |
| 4.67-4,69 | 187 | 3.89-3,91 | 156 | 3.12-3,14 | 125 |
| 4.65-4,66 | 186 | 3.87-3,88 | 155 | 3.1-3,11 | 124 |
| 4.62-4,64 | 185 | 3.84-3,86 | 154 | 3.07-3,09 | 123 |
| 4.6-4,61 | 184 | 3.82-3,83 | 153 | 3.05-3,06 | 122 |
| 4.57-4,59 | 183 | 3.79-3,81 | 152 | 3.02-3,04 | 121 |
| 4.54-4,56 | 182 | 3.77-3,78 | 151 | 3-3,01 | 120 |
| 4.52-4,53 | 181 | 3.74-3,76 | 150 | Less than 3 | Not enough |
| 4.5-4,51 | 180 | 3.72-3,73 | 149 | | |
| 4.47-4,49 | 179 | 3.7-3,71 | 148 | | |
| 4.45-4,46 | 178 | 3.67-3,69 | 147 | | |
| 4.42-4,44 | 177 | 3.65-3,66 | 146 | | |
| 4.4-4,41 | 176 | 3.62-3,64 | 145 | | |

| | | | |
|-----------|-----|-----------|-----|
| 4.37-4,39 | 175 | 3.6-3,61 | 144 |
| 4.35-4,36 | 174 | 3.57-3,59 | 143 |
| 4.32-4,34 | 173 | 3.55-3,56 | 142 |
| 4.3-4,31 | 172 | 3.52-3,54 | 141 |
| 4,27-4,29 | 171 | 3.5-3,51 | 140 |
| 4.24-4,26 | 170 | 3.47-3,49 | 139 |

3.2. Questions for credit:

1. Modern ideas about the hematopoietic system and methods of its research.
2. Deficiency anemias: differential diagnosis, treatment, prevention
3. Etiology, pathogenesis, clinic, diagnosis and differential diagnosis of acute and chronic posthemorrhagic anemia. Treatment and prevention.
4. Etiology, pathogenesis, clinic, diagnosis and differential diagnosis of iron deficiency anemia. Treatment and prevention.
5. Vitamin-B12-deficient anemia, folio-deficient anemia. Etiology, pathogenesis, clinic, diagnosis and differential diagnosis. Treatment and prevention.
6. Etiology, pathogenesis, clinic, diagnosis and differential diagnosis of aplastic anemia. Treatment and prevention.
7. Etiology, pathogenesis, clinic, diagnosis and differential diagnosis of hereditary, acquired and immune hemolytic anemias.
8. Anemia in chronic diseases
9. Modern ideas about the hemostasis system and methods of its research.
10. Syndrome of violation of the primary link of hemostasis.
11. Coagulopathy in children
12. Etiology, pathogenesis, clinic, diagnosis and differential diagnosis of hemorrhagic vasculitis. Treatment and prevention.
13. Etiology, pathogenesis, clinic, diagnosis and differential diagnosis of thrombocytopenic purpura. Treatment and prevention.
14. Thrombocytopathies in children. Clinic, diagnosis, treatment and prevention.
15. Etiology, pathogenesis, clinic, diagnosis and differential diagnosis of hemophilia. Treatment and prevention.
16. Clinic, diagnosis and treatment of Willebrand's disease.
17. Leukemias in children: modern ideas about the development of leukemias in children and methods of research and treatment.
18. Etiology, pathogenesis, clinic, diagnosis and differential diagnosis of lymphoblastic leukemias in children. Treatment, dispensary observation.
19. Etiology, pathogenesis, clinic, diagnosis and differential diagnosis of myeloblastic leukemias in children. Treatment, dispensary observation.
20. Modern ideas about the development of lymphomas in children, methods of research, treatment.
21. Etiology, pathogenesis, clinic, diagnosis and differential diagnosis of Hodgkin's lymphoma. Treatment of Hodgkin's lymphoma. Dispensary observation
22. Etiology, pathogenesis, clinic, diagnosis and differential diagnosis of non-Hodgkin's lymphomas. Treatment of non-Hodgkin's lymphomas. Dispensary observation.
23. Leukemoid reactions in pediatrics.
24. Myelodysplastic syndrome.

25. Modern scientific research on diagnosis and treatment of lymphoproliferative diseases in children.
26. General issues of transfusion and basics of clinical transfusion.
27. Fundamentals of Ukrainian legislation on transfusion.
28. Organization of a transfusion service in a medical institution.
28. Fundamentals of biological safety in a medical institution.
30. Methods of calculating blood loss, indications for hemotransfusions.
31. Classification of components and preparations of donor blood, their characteristics, indications for use, storage conditions.
32. Posttransfusion complications. Emergency aid. Prevention.
33. Autohemotransfusion - indications for the use of autologous blood and its components, contraindications for taking blood and its components for autohemotransfusion.
34. Plasmapheresis - types and methods. Indications and complications.

3.3. Control questions and tasks for independent work

Speech at a scientific conference (outside the department), publication of theses, articles, participation in Olympiads - up to 10 points are added as incentives.

3.5. Rules for challenging the assessment.

If a question arises regarding the objectivity of the assessment, the student has the right to appeal it by contacting the head of the department on the day of receiving the assessment. The commission consisting of the head of the department, the head of the department (associate professor) in the presence of the teacher of the group assesses the level of knowledge of the student through an interview and provides a conclusion on the objectivity of the assessment.

4. 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.

5. 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.

6. RECOMMENDED LITERATURE

Basic

1. Основи медсестринства: підручник (ВНЗ I—III р. а.) / В.М. Лісовий, Л.П. Ольховська, В.А. Капустник. — 3-є вид., переробл. і допов. - К.: ВСВ «Медицина», 2018, 912 с.
2. Сестринська справа : підручник (ВНЗ I—III р. а.) / Н.М. Касевич, І.О. Петряшев, В.В. Сліпченко та ін. - Медицина 2017 р. 816 с.
3. Основи педіатрії за Нельсоном: переклад 8-го англ. видання : у 2 томах. Том 1 / Карен Дж. Маркданте, Роберт М. Клігман. — К.: ВСВ «Медицина», 2019. — XIV, 378 с.
4. Педіатрія: національний підручник: у 2 т. Том 1. За редакцією професора В.В. Бережного, К., 2013. — 1040 с. —
5. Педіатрія: національний підручник: у 2 т. Том 2. За редакцією професора В.В. Бережного, К., 2013. — 1024 с. —
6. Майданник В.Г. Педиатрия. Учебник (2-е издание, испр. и доп.). — Харьков: Фолио, 2004. — 1125 с.
7. Підручник Педіатрія для студ. Вищих мед. Навч. Закладів IV рівня акредитації за ред. проф. О.В. Тяжкої. — Видання 4-те, допрацьоване і доповнене. — Вінниця: Нова Книга, 2016. — 1132.
8. Nelson textbook 20th Edition by Robert M. Kliegman, MD, Richard E. Behrman, MD, Hal B. Jenson, MD and Bonita F. Stanton, MD. Видавництво: SAUNDERS
9. The Harriet Lane Handbook, 21st edition. International edition, 2018. — 1255 p.

Additional

1. Hematology: Basic principles and practice / Edited by Ronald Hoffman and al. – Churchill Livingstone, 2000 (3rd addition). – 2584p.
2. Nataliia Makieieva, Oksana Afanasieva, Viktoria Koval. Clinical masks of acute leukemia in children. Inter Collegas. – 2017. – Vol. 4, № 1. 9-13.
3. Nathan and Oski's Hematology of Infancy and Childhood / Edited by David G. Nathan, Stuart H. Orkin. – W.B.Saunders Company, 1998/ - Volume 1 (1-968p.)
4. Nathan and Oski's Hematology of Infancy and Childhood / Edited by David G. Nathan, Stuart H. Orkin. – W.B.Saunders Company, 1998/ - Volume 2 (969- 1914p.)
5. Гусева С.А., Вознюк В.П., Бальшин М.Д. Болезни системы крови.-К.: Логос, 2001.- 542 с.

7. INFORMATION RESOURCES

1. <http://www.osvita.org.ua> – Освітній портал – все про освіту в Україні.
2. <http://nbuv.gov.ua> – сайт Національної бібліотеки України імені В. І. Вернадського.
3. <http://korolenko.kharkov.com> – сайт Харківської державної наукової бібліотеки імені В. Г. Короленка.
4. <https://reference.medscape.com/>
5. <https://www.cochranelibrary.com/about/about-cochrane-library>
6. <https://www.ncbi.nlm.nih.gov/pubmed/>
7. <https://www.uptodate.com/home>