

**MINISTRY OF HEALTH OF UKRAINE**  
**ODESSA NATIONAL MEDICAL UNIVERSITY**

Department of Pediatrics №1



APPROVE

Acting vice-rector for scientific and pedagogical  
work

Svitlana KOTIUZHYNKA

01 09 2022

**EDUCATIONAL PROGRAM OF ELECTIVE DISCIPLINE**

**" Integrated management of childhood illness (IMCI) "**

**Level of higher education:**second (master's)

**Branch of knowledge:**22 "Health care"

**Specialty:**222 "Medicine"

**Educational and professional program:** "Medicine"

The working program is compiled on the basis of the educational and professional program "Medicine", the training of specialists of the second (master's) level of higher education in the specialty 222 "Medicine" of the field of knowledge 22 "Health care", approved by the Academic Council of ONMedU, dated Jun 23, 2022, protocol No. 9..

Developers: head of the department, Corresponding Member of NAMS of Ukraine, DSc, Prof. Aryaev M.L., head teacher of the department, PhD, assoc. of professor Kaplina L. E., assoc. of proessor, PhD Y.V. Desyatska., assistant Byshley N.A.

The working program was approved at the meeting of the Department of Pediatrics No. 1  
Protocol No. 21 dated June 29, 2022

Head of the department, Corresponding Member of NAMS of Ukraine,  
DSc, Prof.

Mykola ARYAYEV

Agreed with the guarantor of the EPP

(signature)

(Valeria MARICHEREDA)  
(Name SURNAME)

The program was approved at the meeting of the subject cycle commission for pediatric disciplines of ONMedU

Protocol No. 6 dated "30" 06 2022 y.

Head of the subject cycle methodical commission for pediatric disciplines, professor

(Natalia KOTOVA)

(signature)

(Name SURNAME)

Reviewed and approved at the meeting of the Department of Pediatrics No. 1

Protocol No.     dated "   "     20    y.

Head of the department

(Mykola ARYAYEV)

(signature)

(Name SURNAME)

Reviewed and approved at the meeting of the Department of Pediatrics No. 1

Protocol No.     dated "   "     20    y.

Head of the department

(Mykola ARYAYEV)

(signature)

(Name SURNAME)

### 1. Description of optional educational discipline:

2. Name of indicators	Field of knowledge, specialty, specialization, level of higher education	Characteristics of the academic discipline
The total number of:  Credits: 1.5  Hours: 45  Content modules: 1	Branch of knowledge 22 "Health care"	<i>Full-time education</i> <i>Elective discipline</i>
	Specialty 222 "Medicine"	<i>Year of training: 6</i>
		<i>Semester XI - XII</i>
		<i>Lectures (0 hours)</i>
	Specialization doctor	<i>Seminars (16 hours)</i>
		<i>Practical (0 hours)</i>
		<i>Laboratory (0 hours)</i>
	Level of higher education second (master's)	<i>Independent work (29 hours)</i>
		<i>including individual tasks (0 hours)</i>
		<i>Final control form (according to the curriculum) - credit.</i>

### 2. The purpose and tasks of the optional educational discipline

**Goal:** The application's acquisition of the higher education of additional knowledge and mastery of professional competencies and skills of observation of a healthy and sick child by a family doctor based on the competencies acquired during the study of previous disciplines.

**Task:**

1. Formation of skills and communication skills with a sick child or his parents according to the algorithm of Integrated management of childhood illnesses.
2. Improving the skills of justifying a clinical diagnosis, drawing up a plan for laboratory and instrumental research according to the algorithm of Integrated management of childhood illnesses.
3. Mastering the ability to determine the tactics of management and prevention of common diseases in children according to the algorithm of Integrated management of childhood illnesses.

**The process of studying the discipline is aimed at forming elements of the following competencies:**

**General (GC):**

- GC1 – Ability to abstract thinking, analysis and synthesis.
- GC2 – Ability to learn and master modern knowledge.
- GC3 – Ability to apply knowledge in practical situations.
- GC4 – Knowledge and understanding of the subject area and understanding of professional activity.
- GC5 – Ability to adapt and act in a new situation.
- GC6 – Ability to make reasonable decisions.
- GC7 – Ability to work in a team.
- GC8 – Ability to interpersonal interaction.
- GC10 – Ability to use information and communication technologies.
- GC11 – Ability to search, process and analyze information from various sources.

- GC12 – Determination and perseverance regarding the assigned tasks and assumed responsibilities.
- GC13 – Awareness of equal opportunities and gender issues.
- GC14 – Ability to realize one's rights and responsibilities as a member of society, to realize the values of public (free democratic) society and the need for its sustainable development, the rule of law, the rights and freedoms of a person and a citizen in Ukraine.
- GC15 – Ability to preserve and multiply moral, cultural, scientific values and achievements of society based on understanding the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, techniques and technologies, use different types and forms motor activity for active recreation and leading a healthy lifestyle.
- GC17 – Desire to preserve the environment.

#### **Special (SC):**

- SC1 – Ability to collect medical information about the patient and analyze clinical data.
- SC2 – Ability to determine the necessary list of laboratory and instrumental studies and evaluate their results.
- SC3 – Ability to establish a preliminary and clinical diagnosis of the disease.
- SC4 – Ability to determine the necessary regime of work and rest in the treatment and prevention of diseases.
- SC5 – Ability to determine the nature of nutrition in the treatment and prevention of diseases.
- SC6 – Ability to determine the principles and nature of treatment and prevention of diseases.
- SC7 – Ability to diagnose emergency conditions.
- SC8 – Ability to determine tactics and provide emergency medical care.
- SC11 – Ability to solve medical problems in new or unfamiliar environments in the presence of incomplete or limited information, taking into account aspects of social and ethical responsibility.
- SC13 – Ability to carry out sanitary and hygienic and preventive measures.
- SC16 – Ability to fill medical documentation, including electronic forms.
- SC17 – Ability to assess the impact of the environment, socio-economic and biological determinants on the state of health of an individual, family, population.
- SC21 – Ability to clearly and unambiguously convey one's own knowledge, conclusions and arguments on health care problems and related issues to specialists and non-specialists, in particular to people who are studying.
- SC24 – Adherence to ethical principles when working with patients and laboratory animals.
- SC25 – Adherence to professional and academic integrity, being responsible for the reliability of the obtained scientific results.
- SC26 – Ability to determine the management tactics of persons subject to dispensary supervision.

#### **Expected learning outcomes. As a result of studying, the applicant must:**

##### **Have:**

- PLO1 – Having a thorough knowledge of the structure of professional activity. Being able to carry out professional activities that require updating and integration of knowledge. To be responsible for professional development, the ability for further professional training with a high level of autonomy.
- PLO2 – Understanding and knowledge of basic and clinical biomedical sciences, at a level sufficient for solving professional tasks in the field of health care.
- PLO3 – . Specialized conceptual knowledge that includes scientific achievements in the field of health care and is the basis for conducting research, critical understanding of problems in the field of medicine and related interdisciplinary problems.
- PLO4 – Identifying leading clinical symptoms and syndromes (according to list 1); according to standard methods, using preliminary data of the patient's history, data of the patient's examination, knowledge about the person, his organs and systems, establish a preliminary clinical diagnosis of the disease (according to list 2)..
- PLO5 – Collecting complaints, history of life and diseases, assessing the psychomotor and physical development of the patient, the state of organs and systems of the body, based on the results of laboratory

and instrumental studies, evaluation of the information regarding the diagnosis (according to list 4), taking into account the age of the patient..

- PLO6 – Establishing the final clinical diagnosis by making a reasoned decision and analyzing the received subjective and objective data of clinical, additional examination, carrying out differential diagnosis, observing the relevant ethical and legal norms, under the control of the managing physician in the conditions of the health care institution (according to the list 2).
- PLO7 – . Assigning and analyzing additional (mandatory and optional) examination methods (laboratory, functional and/or instrumental) (according to list 4) of patients with diseases of organs and body systems for differential diagnosis of diseases (according to list 2).
- PLO8 – Determination of the main clinical syndrome or symptom that determines the severity of the victim's/victim's condition (according to list 3) by making a reasoned decision about the person's condition under any circumstances (in the conditions of a health care facility, outside its borders), including in conditions of emergency and hostilities, in field conditions, in conditions of lack of information and limited time.
- PLO9 – Determination of the nature and principles of treatment (conservative, operative) of patients with diseases (according to list 2), taking into account the patient's age, in the conditions of a health care institution, outside its borders and at the stages of medical evacuation, including in field conditions, based on a preliminary clinical diagnosis, observing the relevant ethical and legal norms, by making a reasoned decision according to existing algorithms and standard schemes, in case of the need to expand the standard scheme, be able to justify personalized recommendations under the control of the head physician in the conditions of a medical institution.
- PLO10 – Determination of the necessary mode of work, rest and nutrition based on the final clinical diagnosis, observing the relevant ethical and legal norms, by making a reasoned decision according to existing algorithms and standard schemes.
- PLO12 – Assessment of the general condition of a newborn child by making a reasoned decision according to existing algorithms and standard schemes, observing the relevant ethical and legal norms.
- PLO13 – Assessment and monitoring of the child's physical and psychomotor development, provision of recommendations on feeding and nutritional features depending on age, and organization of preventive vaccinations according to the calendar.
- PLO14 – Determination of tactics and providing emergency medical care in emergencies (according to list 3) in limited time conditions according to existing clinical protocols and standards of treatment.
- PLO17 – Performing medical manipulations (according to list 5) in the conditions of a medical institution, at home or work based on a previous clinical diagnosis and/or indicators of the patient's condition by making a reasoned decision, observing the relevant ethical and legal norms.
- PLO21 – Searching for the necessary information in the professional literature and databases of other sources, analysing, evaluating and application of this information.
- PLO25 – Conveying one's knowledge, conclusions and arguments on health care problems and related issues to specialists and non-specialists clearly and unambiguously.
- PLO27 – Communication freely in the state language and English, both orally and in writing to discuss professional activities, research and projects.
- PLO30 – Determination of the management tactics of persons subject to dispensary supervision (children, pregnant women, workers whose professions require mandatory dispensary examination)

**Expected learning outcomes. As a result of studying the academic discipline, the application's acquisition of the higher education must:**

**Know:** Algorithm of actions in the context of IMCI - six steps: 1. Assessment. 2. Classification. 3. Determination of treatment (management). 4. Treatment. 5. Counseling of the mother. 6. Carrying out further supervision of a child aged 2 months to 5 years: in case of cough or difficulty breathing, in case of ear problem, in case of throat problem, in case of fever, in case of nutritional disorder, in case of anemia, in a child with confirmed HIV infection and unspecified status, when checking the status of immunization and the appointment of vitamin D; in a child aged 0 months to 2 years: with local bacterial infection, jaundice, diarrhea, with feeding problems, low body weight.

**Be able to:**

- Conduct a survey of the parents of a child aged 2 months to 5 years with a cough according to the Integrated Management of Childhood Diseases algorithm.
- Conduct a survey of the parents of a child aged 2 months to 5 years: in case of difficulty breathing according to the algorithm of the Integrated management of childhood illnesses.
- Conduct a survey of the parents of a child aged 2 months to 5 years with an ear problem according to the Integrated Management of Childhood illnesses algorithm.
- Conduct a survey of the parents of a child aged 2 months to 5 years with a throat problem according to the Integrated Management of Childhood illnesses algorithm.
- Conduct a survey of the parents of a child aged 2 months to 5 years with fever according to the Integrated Management of Childhood illnesses algorithm.
- Conduct a survey of parents of a child aged 2 months to 5 years with impaired nutrition according to the algorithm of Integrated management of childhood illnesses.
- Conduct a survey of the parents of a child aged 2 months to 5 years with anemia according to the Integrated Management of Childhood illnesses algorithm.
- Conduct a survey of the parents of a child aged 2 months to 5 years with a child with confirmed HIV infection and an unspecified status according to the Integrated Management of Children's illnesses algorithm.
- Conduct a survey of the parents of a child aged 2 months to 5 years when checking the immunization status and prescribing vitamin D according to the algorithm of the Integrated Management of Children's illnesses.
- To conduct a survey of the parents of a child aged 0 to 2 months in a child with a local bacterial infection according to the algorithm of the Integrated management of children's illnesses.
- Conduct a survey of the parents of a child aged 0 to 2 months in a child with jaundice according to the algorithm of the Integrated management of children's illnesses.
- Conduct a survey of the parents of a child aged 0 to 2 months with diarrhea according to the Integrated Management of Children's illnesses algorithm.
- Conduct a survey of the parents of a child aged 0 to 2 months with feeding problems according to the Integrated Management of Children's illnesses algorithm.
- To conduct a survey of the parents of a child aged 0 to 2 months in a child with a low birth weight of the Integrated Management of Children's illnesses.
- Conduct clinical examination of children of different ages according to standard methods.
- Analyze the results of laboratory, functional and instrumental research.
- Carry out differential diagnosis and substantiate the clinical diagnosis.
- Determine the tactics and provide emergency medical care in emergency situations in children.
- Determine the nature and principles of treatment of sick children on the basis of a preliminary clinical diagnosis, observing the relevant ethical and legal norms, by making a reasoned decision according to existing algorithms and standard schemes.
- Perform medical manipulations (according to list 5) for common diseases in children.
- Keep medical records for common diseases in children.

**3. Content of the optional academic discipline****M****Content module 1.****C****I**

**Topic 1.** Algorithm of actions in the context of IMCI of a child aged 2 months to 5 years: with cough or difficulty breathing.

Algorithm of actions in the context of IMCI - six steps: 1. Assessment. 2. Classification. 3. Determination of treatment (management). 4. Treatment. 4. Counseling of the mother. 4. Implementation of further supervision.

Communication with the mother, use of effective communication and counseling skills. Based on the results of the assessment of the main signs, the grouping of the detected symptoms - classification - sorting by degree of severity - "pink", "yellow", "green". Determination of treatment (management) - clear recommendations for management and approval of the treatment plan. Treatment is the implementation of the specified treatment tactics. Consulting on issues of care, feeding, administration of medicines, fluids to the child, treatment of local infection, detection of dangerous problems. Follow-up care – a clearly defined procedure for subsequent visits, role.

**Topic 2.** Algorithm of actions in the context of IMCI of a child aged 2 months to 5 years: with fever.

Algorithm of actions in the context of IMCI - six steps: 1. Assessment. 2. Classification. 3. Determination of treatment (management). 4. Treatment. 5. Counseling of the mother. 6. Implementation of further supervision.

Communication with the mother, use of effective communication and counseling skills. Based on the results of the assessment of the main signs, the grouping of the detected symptoms - classification - sorting by degree of severity - "pink", "yellow", "green". Determination of treatment (management) - clear recommendations for management and approval of the treatment plan. Treatment is the implementation of the specified treatment tactics. Consulting on issues of care, feeding, administration of medicines, fluids to the child, treatment of local infection, detection of dangerous problems. Follow-up care – a clearly defined procedure for subsequent visits.

**Topic 3.** Algorithm of actions in the context of IMCI of a child aged 2 months to 5 years: with an ear problem, with a throat problem.

Algorithm of actions in the context of IMCI - six steps: 1. Assessment. 2. Classification. 3. Determination of treatment (management). 4. Treatment. 5. Counseling of the mother. 6. Implementation of further supervision.

Communication with the mother, use of effective communication and counseling skills. Based on the results of the assessment of the main signs, the grouping of the detected symptoms - classification - sorting by degree of severity - "pink", "yellow", "green". Determination of treatment (management) - clear recommendations for management and approval of the treatment plan. Treatment is the implementation of the specified treatment tactics. Consulting on issues of care, feeding, administration of medicines, fluids to the child, treatment of local infection, detection of dangerous problems. Follow-up care – a clearly defined procedure for subsequent visits.

**Topic 4. Algorithm of actions in the context of IMCI of a child aged 2 months to 5 years: in case of impaired nutrition, in case of anemia, in a child with confirmed HIV infection and unspecified status.**

Algorithm of actions in the context of IMCI - six steps: 1. Assessment. 2. Classification. 3. Determination of treatment (management). 4. Treatment. 5. Counseling of the mother. 6. Implementation of further supervision.

Communication with the mother, use of effective communication and counseling skills. Based on the results of the assessment of the main signs, the grouping of the detected symptoms - classification - sorting by degree of severity - "pink", "yellow", "green". Determination of treatment (management) - clear recommendations for management and approval of the treatment plan. Treatment is the implementation of the specified treatment tactics. Counseling on issues of care, feeding, administering medicine to the child.

**Topic 5.** Algorithm of actions in the context of IMCI of a child aged 2 months to 5 years: when checking the status of immunization and prescribing vitamin D.

Algorithm of actions in the context of IMCI - six steps: 1. Assessment. 2. Classification. 3. Determination of treatment (management). 4. Treatment. 5. Counseling of the mother. 6. Implementation of further supervision.

Communication with the mother, use of effective communication and counseling skills. Based on the results of the assessment of the main signs, the grouping of the detected symptoms - classification - sorting by degree of severity - "pink", "yellow", "green". Determination of treatment (management) - clear recommendations for management and approval of the treatment plan. Treatment is the implementation of the specified treatment tactics. Consulting on issues of care, feeding, administration

of medicines, fluids to the child, treatment of local infection, detection of dangerous problems. Follow-up care – a clearly defined procedure for subsequent visits.

**Topic 6. Algorithm of actions in the context of IMCI of a child aged 0 months to 2 months: in case of local bacterial infection, diarrhea.**

Algorithm of actions in the context of IMCI - six steps: 1. Assessment. 2. Classification. 3. Determination of treatment (management). 4. Treatment. 5. Counseling of the mother. 6. Implementation of further supervision.

Communication with the mother, use of effective communication and counseling skills. Based on the results of the assessment of the main signs, the grouping of the detected symptoms - classification - sorting by degree of severity - "pink", "yellow", "green". Determination of treatment (management) - clear recommendations for management and approval of the treatment plan. Treatment is the implementation of the specified treatment tactics. Consulting on issues of care, feeding, administration of medicines, fluids to the child, treatment of local infection, detection of dangerous problems. Follow-up care – a clearly defined procedure for subsequent visits.

**Topic 7. Algorithm of actions in the context of IMCI of a child aged from 0 months to 2 months: with jaundice.**

Algorithm of actions in the context of IMCI - six steps: 1. Assessment. 2. Classification. 3. Determination of treatment (management). 4. Treatment. 5. Counseling of the mother. 6. Implementation of further supervision.

Communication with the mother, use of effective communication and counseling skills. Based on the results of the assessment of the main signs, the grouping of the detected symptoms - classification - sorting by degree of severity - "pink", "yellow", "green". Determination of treatment (management) - clear recommendations for management and approval of the treatment plan. Treatment is the implementation of the specified treatment tactics. Consulting on issues of care, feeding, administration of medicines, fluids to the child, treatment of local infection, detection of dangerous problems. Follow-up care – a clearly defined procedure for subsequent visits.

**Topic 8. Algorithm of actions in the context of IMCI of a child aged 0 months to 2 months: with problems with feeding, low body weight.**

Algorithm of actions in the context of IMCI - six steps: 1. Assessment. 2. Classification. 3. Determination of treatment (management). 4. Treatment. 5. Counseling of the mother. 6. Implementation of further supervision.

Communication with the mother, use of effective communication and counseling skills. Based on the results of the assessment of the main signs, the grouping of the identified symptoms - classification - sorting by degree of severity - "pink", "yellow", "green". Determination of treatment (management) - clear recommendations for management and approval of the treatment plan. Treatment is the implementation of the specified treatment tactics. Consulting on issues of care, feeding, administration of medicines, fluids, treatment of local infection, detection of danger problems. Follow-up care – a clearly defined procedure for subsequent visits.

**4. The structure of the academic discipline**

Names of topics	Number of hours					
	That's all	including				
		lectures	seminars	practical	laboratory	SRS
Content module 1. Integrated management of diseases of childhood IMCI						
Topic 1. Algorithm of actions in the context of IMCI of a child aged 2 months to 5 years: when coughing or having difficulty breathing.	6	0	2	0	0	4



Topic 2. Algorithm of actions in the context of IMCI of a child aged 2 months to 5 years: with fever.	6	0	2	0	0	4
Topic 3. Algorithm of actions in the context of IMCI of a child aged 2 months to 5 years: with an ear problem, with a throat problem.	6	0	2	0	0	4
Topic 4. Algorithm of actions in the context of IMCI of a child aged 2 months to 5 years: in case of impaired nutrition, in case of anemia, in a child with confirmed HIV infection and unspecified status.	6	0	2	0	0	4
Topic 5. Algorithm of actions in the context of IMCI of a child aged 2 months to 5 years: when checking the status of immunization and prescribing vitamin D.	6	0	2	0	0	4
Topic 6. Algorithm of actions in the context of IMCI of a child aged 0 months to 2 years: in case of local bacterial infection, diarrhea.	6	0	2	0	0	4
Topic 7. Algorithm of actions in the context of IMCI of a child aged 0 months to 2 years: with jaundice.	5	0	2	0	0	3
Topic 8. Algorithm of actions in the context of IMCI of a child aged 0 months to 2 years: with problems with feeding, low body weight.	4	0	2	0	0	2
<i>Together according to content module 1</i>	45	0	16	0	0	29
<i>Individual tasks</i>	0	0	0	0	0	0
<b>Total hours</b>	45	0	16	0	0	29

## 5. Topics of lectures / seminars / practical / laboratory classes

### 5.1. Topics of lectures- not provided for

## 5.2. Topics of seminar classes

No	Topic	How many hours
1.	Topic 1. Algorithm of actions in the context of IMCI of a child aged 2 months to 5 years: with cough, difficulty breathing, with fever.	2
2.	Topic 2. Algorithm of actions in the context of IMCI of a child aged 2 months to 5 years: with fever.	2
3.	Topic 3. Algorithm of actions in the context of IMCI of a child aged 2 months to 5 years: with an ear problem, with a throat problem.	2
4.	Topic 4. Algorithm of actions in the context of IMCI of a child aged 2 months to 5 years: in case of impaired nutrition, in case of anemia, in a child with confirmed HIV infection and unspecified status.	2
5.	Topic 5. Algorithm of actions in the context of IMCI of a child aged 2 months to 5 years: when checking the status of immunization and prescribing vitamin D.	2
6	Topic 6. Algorithm of actions in the context of IMCI of a child aged 0 months to 2 years: in case of local bacterial infection, diarrhea.	2
7	Topic 7. Algorithm of actions in the context of IMCI of a child aged 0 months to 2 years: with jaundice.	2
8	Topic 8. Algorithm of actions in the context of IMCI of a child aged 0 months to 2 years: with problems with feeding, low body weight.	2
	In total	16.0

## 5.3. Topics of practical classes- not provided for

## 6. Independent work of a applicant of higher education

No	Types of independent work	Number of hours
1	Preparation for the seminar class: <b>Topic 1.</b> Algorithm of actions in the context of IMCI of a child aged 2 months to 5 years: with cough, difficulty breathing, with fever.	4
2	Preparation for the seminar class: <b>Topic 2.</b> Algorithm of actions in the context of IMCI of a child aged 2 months to 5 years: with fever.	4
3	Preparation for the seminar class: <b>Topic 3.</b> Algorithm of actions in the context of IMCI of a child aged 2 months to 5 years: with an ear problem, with a throat problem.	4
4	Preparation for the seminar class: <b>Topic 4.</b> Algorithm of actions in the context of IMCI of a child aged 2 months to 5 years: in case of impaired nutrition, in case of anemia, in a child with confirmed HIV infection and unspecified status.	4
5	Preparation for the seminar class: <b>Topic 5.</b> Algorithm of actions in the context of IMCI of a child aged 2 months to 5 years: when checking the status of immunization and prescribing vitamin D.	4
6	Preparation for the seminar class: <b>Topic 6.</b> Algorithm of actions in the context of IMCI of a child aged 0 months to 2 years: in case of local bacterial infection, diarrhea.	4
7	Preparation for the seminar class: <b>Topic 7.</b> Algorithm of actions in the context of IMCI of a child aged 0 months to 2 years: with jaundice.	3

8	Preparation for the seminar class: <b>Topic 8.</b> Algorithm of actions in the context of IMCI of a child aged 0 months to 2 years: with problems with feeding, low body weight.	2
	In total	29

## 7. Teaching methods

**Seminar classes:** discussion of theoretical issues, face-to-face survey on basic terminology, testing, role-playing games for mastering the communication skills of communicating with a sick child or his parents with common diseases in children (work in a team).

**Individual work:** study of algorithms of communication with a sick child and his parents in the context of IMCI in common diseases in children.

## 8. Forms of control and evaluation methods (including criteria for evaluating learning outcomes)

**Current control:** assessment of mastery of practical skills of communication with a sick child and his parents in the context of IMCI in common diseases in children.

**Final control:** test.

### *The structure of the current assessment at the seminar session*

- Evaluation of compliance with the communication algorithm during the role-playing game; the maximum score is 5, the minimum score is 3, the unsatisfactory score is 2.
- Assessment of the purpose of additional examination methods and their interpretation maximum score – 5, minimum score – 3, unsatisfactory score – 2;
- Assessment of the justification of the preliminary or clinical diagnosis and determination of patient management tactics. maximum score – 5, minimum score – 3, unsatisfactory score – 2;

The grade for the lesson is the arithmetic average of all components and can only have an integer value, namely 5, 4, 3, 2.

### **Current assessment criteria for the seminar session:**

Excellent "5"	The applicant is fluent in the material, takes an active part in the role play, discussing and solving the situational clinical problem, confidently demonstrates practical skills during the examination of a sick child and the interpretation of clinical, laboratory and instrumental research data, expresses his opinion on the topic of the lesson, demonstrates clinical thinking.
Good "4"	The applicant has a good command of the material, participates in a role-play, discussion and solution of a situational clinical problem, demonstrates practical skills during the examination of a sick child and the interpretation of clinical, laboratory and instrumental research data with some errors, expresses his opinion on the subject of the lesson, demonstrates clinical thinking.
Satisfactorily "3"	The applicant does not have enough knowledge of the material, is unsure of participating in a role play, discussing and solving a situational clinical problem, demonstrates practical skills during the examination of a sick child and the interpretation of clinical, laboratory and instrumental research data with significant errors.

Unsatisfactorily "2"	The applicant does not master the material, does not take part in a role-play, discussion and solution of a situational clinical problem, does not demonstrate practical skills during the examination of a sick child and the interpretation of clinical, laboratory and instrumental research data.
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## 9. Distribution of points received by applicants of higher education

The applicant for higher education is credited with optional discipline, provided that there is no academic debt and an average current grade of at least 3.0.

## 10. Methodological support:

- The educational program of a selective academic discipline
- Syllabus of selective educational discipline
- Textbooks: Nelson Textbook of Pediatrics / Edition 2 volume set. Edition: 21st, 2019
- Multimedia presentations
- Test tasks
- Methodical development of seminar classes

## 11. Recommended literature

### Main:

1. Nelson Textbook of Pediatrics / Edition 2 volume set. Edition: 21st, 2019.
2. Avery's Diseases of the Newborn Book Tenth Edition •2018. Copyright © No of pages 1656  
<https://www.sciencedirect.com/book/9781437701340/averys-diseases-of-the-newborn>
3. Vinod K Paul, Arvind Bagga. Ghai Essential Pediatrics, 8th edition, 2013. PDF format.

### Additional:

1. Order of the Ministry of Health of Ukraine dated September 14, 2021 No. 1945 "On approval of the Unified clinical protocol of primary medical care "Integrated management of childhood illnesses."

## 12. Electronic information resources

1. <https://www.pediatrics.od.ua/>
2. <http://moz.gov.ua> – Ministry of Health of Ukraine
3. [www.ama-assn.org](http://www.ama-assn.org) - American Medical Association / American Medical Association
4. [www.oapn.od.ua](http://www.oapn.od.ua) - NGO "Odesa Association of Pediatricians and Neonatologists"
5. [www.who.int](http://www.who.int) - World Health Organization
6. [www.dec.gov.ua/mtd/home/](http://www.dec.gov.ua/mtd/home/) - State Expert Center of the Ministry of Health of Ukraine
7. <http://bma.org.uk> - British Medical Association
8. [www.gmc-uk.org](http://www.gmc-uk.org) - *General Medical Council ( GMC )*
9. [www.bundesaerztekammer.de](http://www.bundesaerztekammer.de) – German Medical Association
10. [https://www.who.int/workforcealliance/members\\_partners/member\\_list/ipa/en/](https://www.who.int/workforcealliance/members_partners/member_list/ipa/en/) - International Pediatric Association (IPA)
11. <http://pediacalls.com/e-books/nelson-textbook-of-pediatrics-21st-edition/>
12. International Pediatric Association (IPA)  
[https://www.who.int/workforcealliance/members\\_partners/member\\_list/ipa/en/](https://www.who.int/workforcealliance/members_partners/member_list/ipa/en/)