

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

**Medical Faculty, International Faculty
Department of Infectious Diseases with a course of Dermatovenerology**

**Syllabus of the educational discipline
"Children's infectious diseases"**

Course Scope	Total: 2 ECTS credits; 60 hours XI – XII semesters 6th year of study
Days, time, location	According the schedule by cycles, Department of Infectious Diseases, Knyazheskaya str, 1, Odesa
Instructor(s)	Chaban T.V. PhD. Med. Sciences, professor, head of the department. Associate professors: candidate of medical science Usychenko K.M., Pavlenko O.V., Gerasymenko O.A., Movlyanova N.V. Assistants: Verba N.V., Bocharov V.M.
Contacts	Information by phone: Nataliia Victorivna Verba, head instructor of the Department +380931109458, <i>E-mail:</i> nataliia.verba@onmedu.edu.ua or verbanatali1@gmail.com Consultations: from 2:30 p.m. to 4:12 p.m. The link to the online consultation is provided to each group during classes separately

COMMUNICATION

Communication with applicants will be conducted in the classroom (face-to-face). During distance learning, communication is carried out through the Microsoft Teams platform, as well as through e-mail correspondence, Viber messengers (through groups created in Viber for each group, separately through the head of the group).

The calendar and thematic plans of practical classes are posted in the materials of the department in the blog of the ONMedU library at the link (https://info.odmu.edu.ua/chair/infectious_diseases/)

Written tasks will be sent via Viber (phone number 0931109458).

Written papers should be sent to nataliia.verba@onmedu.edu.ua or verbanatali1@gmail.com

Face-to-face meetings are not held during quarantine. Make-ups are held online in Teams by the address: "[Infectious diseases Working out class passes.](#)"

ABSTRACT OF THE EDUCATIONAL DISCIPLINE

The subject of study of the discipline is clinic, diagnosis, differential diagnosis, treatment, emergency care and prevention methods for the most common children's infectious diseases.

Prerequisites and post-requisites of the discipline (place of the discipline in the educational program):

Prerequisites: Medical biology; Biological and bioorganic chemistry; Human anatomy; Histology cytology and embryology; Physiology; Microbiology, virology and immunology; Pathomorphology; Pharmacology; Pediatric propaedeutics; Pediatrics; Obstetrics and gynecology; Neurology; Dermatology

Post-requisites: Pediatrics; Internal Medicine; Infectious diseases; General practice (family medicine); Surgery; Obstetrics and gynecology.

The purpose of the discipline: Acquisition by the student of higher education of knowledge and mastering of professional competences and skills in the diagnosis, clinic, treatment and prevention of children's infectious diseases based on the competences obtained during the study of previous disciplines.

Tasks of the discipline:

1. Formation of communication skills and clinical examination of a child with an infectious disease.
2. Improving the skills of substantiation of clinical diagnosis, differential diagnosis, drawing up a plan of laboratory and instrumental research for the most common infectious diseases in children.
3. Mastering the ability to diagnose emergency conditions in infectious diseases and to determine the tactics of providing emergency medical care.
4. Formation of skills in planning and carrying out preventive and anti-epidemic measures regarding infectious diseases in childhood.

Expected results:

As a result of studying the educational discipline, the applicant must:

To know: clinic, diagnosis, differential diagnosis, treatment, emergency care and prevention methods for the most common childhood infectious diseases.

Be able:

- To determine the etiological and pathogenetic factors of the most common infectious diseases in children
- Make a preliminary diagnosis of the most common infectious diseases in children
- Determine the tactics of managing children of different ages, including newborns, patients with the most common infectious diseases
- Plan the examination of a sick child and interpret the obtained results for the common infectious diseases
- Carry out differential diagnosis and make a preliminary diagnosis of the most common infectious diseases and their complications in children of various ages, including newborns
- Provide emergency care in critical conditions for the most common infectious diseases in children of all ages, including newborns
- Distinguish the features of the clinical course of the most common infectious diseases in children
- Distinguish the clinical symptoms of emergency conditions in the most common infectious diseases in children of different ages, including newborns
- Determine the main directions of treatment of the most common infectious diseases in children
- Determine preventive and anti-epidemic measures for the most common infectious diseases in children
- Plan preventive and anti-epidemic measures for the most common infectious diseases in children of various ages, including newborns
- Demonstrate the ability to maintain medical records of children with infectious diseases
- Perform medical manipulations (according to list 5) for common diseases in children.

COURSE SCOPE

The course provides practical sessions (24 h.) and assumes trainees' self-study activities (36 h.).

Practical classes: solving clinical cases, practicing the skills of providing medical care to patients from the moment of their hospitalization, examination, diagnosis, treatment until discharge from the hospital; practicing the skills of working in a team of applicants, doctors, other participants in the provision of medical care.

Self-study work: independent work with recommended basic and additional literature, with electronic information resources, preparation for practical classes; independent work with a bank of test tasks KPOK-2, independent mastering of algorithms for communication with the patient.

Course Content

Topic 1: Measles, rubella, allergic exanthem.

Topic 2. Chickenpox, herpes zoster, herpes simplex.

Topic 3. Scarlet fever, pseudotuberculosis.

Topic 4. Features of the course of Lyme disease in children.

Topic 5. Disease caused by the Coxsackie virus.

Topic 6. Diphtheria.

Topic 7. Differential diagnosis of diseases with mononucleosis-like syndrome in children: infectious mononucleosis, CMV infection.

Topic 8: Epidemic mumps.

Topic 9: Lymphadenopathy syndrome in infectious diseases in children.

Topic 10. Whooping cough, paraptussis.

Topic 11. Influenza.

Topic 12: ARVI. COVID-19.

Topic 13. Differential diagnosis of neuroinfections in children (serous and purulent meningitis, encephalitis, neurotoxicosis, meningism)

Topic 14. Meningococcal infection

Topic 15. Enterovirus infection, poliomyelitis.

Topic 16. Features of tetanus in children.

Topic 17. Bacterial infections accompanied by diarrhoea syndrome: shigellosis, salmonellosis, escherichiosis.

Topic 18: Viral diarrhoea: rotavirus, norovirus and other infections.

Topic 19: Helminthiasis in children.

Topic 20: Giardiasis. Amoebiasis.

Topic 21. Viral hepatitis A, E in children.

Topic 22. Acute viral hepatitis B, C.

Topic 23. Intestinal yersinosis.

Topic 24. Features of the course of malaria in children.

Topic 25. HIV/AIDS in children.

Topic 26. TORCH infections in children.

Topic 27. Immunoprophylaxis of infectious diseases in children. Diagnosis of post-vaccination reactions and complications in children.

Topic 28. Vaccinations for health reasons.

Topic 29. Preventive work of a doctor at the site.

Translated with DeepL.com (free version)

Recommended literature

Main:

1. Pediatric infectious diseases / S.O. Kramarev, Y.P. Kcharchenko and al., 2014. – K.: VSV "Medicine" – P. 240.

Additional:

1. Infections children's diseases./ Y.P. Kcharchenko, A. M. Mikhailova, S.O. Kramarev I.V., Yurchenko, A.A. Shapovalova, A. I. Savchuk.-Odessa medical State, 2008.-P. 168

2. Orders and instructions of the Ministry of Health of Ukraine "On the improvement of ambulatory polyclinic care for children in Ukraine", "On the improvement of the organization of medical care for adolescent children", protocols for the diagnosis and treatment of diseases in children in the specialties "Pediatrics", "Children's infectious diseases", etc. Ministry of Health of Ukraine.

Online resources

- <https://library.odmu.edu.ua/catalog/> - Electronic catalogue of the ONMedU library
- <http://moz.gov.ua> – Ministry of Health of Ukraine
- www.ama-assn.org –American Medical Association
- www.who.int – World Health Organisation
- www.dec.gov.ua/mtd/home/ - The State Expert Center of the Ministry of Health of Ukraine
- <http://bma.org.uk> – British Medical Association
- www.gmc-uk.org - General Medical Council (GMC)
- www.bundesaerztekammer.de – German Medical Association

ASSESSMENT

Types of control: current monitoring and final control.

Form of final control is a credit.

Current monitoring of students' performance is carried out at practicals based on theoretical knowledge and practical skills and abilities, for which the following forms are used:

- *oral inquiry*;
- *flash-poll*;
- *control of practical skills* (work at the patient's bedside) - by a teacher, self-assessment;
- *control of a situational clinical problem solving* with a diagnosis, its justification and the answer to a question at the end of a session (written control);
- *oral/written answers* to questions on SSS topics in accordance with the calendar and topic plan;
- *assessment of class activity*

The grade for one practical session is the arithmetic average of all components and can only have a whole value (5, 4, 3, 2), which is rounded according to the statistical method.

Current evaluation criteria in practical training

Grade	Evaluation criteria
Excellent «5»	The acquirer has a fluent command of the material, takes an active part in discussing and solving a situational clinical problem, confidently demonstrates practical skills during the examination of a patient 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 acquirer has a good command of the material, participates in the discussion and solution of a situational clinical problem, demonstrates practical skills during the examination of a patient 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.
Satisfactory «3»	The acquirer does not have sufficient knowledge of the material, is unsure of participating in the discussion and solving of the situational clinical problem, demonstrates practical skills during the examination of the patient and the interpretation of clinical, laboratory and instrumental research data with significant errors.
Unsatisfactory «2»	The acquirer does not possess the material, does not participate in the discussion and solution of the situational clinical problem, does not demonstrate practical skills during the examination of the patient and the interpretation of clinical, laboratory and instrumental research data.

Credit is awarded to an applicant who has completed all the tasks of the work program of the discipline, actively participated in practical classes, completed and defended an individual assignment and has a current average grade of at least 3.0 and has no academic debt.

The test is taken: at the last lesson. The grade for the test is the arithmetic average of all components on a traditional four-point scale and has a value that is rounded according to the statistical method with two decimal places.

Distribution of points received by acquirers of higher education

The obtained grade point average for the discipline for students who have successfully completed the work program of the discipline is converted from the traditional four-point scale to points on a 200-point scale, as shown in the table:

Table of conversion of traditional grade into a multi-point scale

National assessment for discipline	The sum of points for the discipline
Excellent («5»)	185-200
Good («4»)	151-184
Satisfactory («3»)	120-150
Unsatisfactory («2»)	Lower then 120

A multi-point scale (200-point scale) characterizes the actual performance of each student in mastering the educational component. The conversion of the traditional grade (grade point average for a discipline) into a 200-point scale is performed by the University's Information Technology Department.

According to the points obtained on a 200-point scale, the achievements of applicants are evaluated according to the ECTS rating scale. Further ranking according to the ECTS rating scale allows to evaluate the achievements of applicants in the educational component who study

in one course of one specialty, according to the points they received.

The ECTS scale is a relative and comparative rating scale that establishes the applicant's belonging to the group of the best or worst among the reference group of fellow students (faculty, specialty). Grade A on the ECTS scale cannot be equal to grade A, and grade B cannot be equal to grade B, etc. When converting from a multi-point scale, the limits of grades "A", "B", "C", "D", "E" on the ECTS scale do not coincide with the limits of grades "5", "4", "3" on the traditional scale. Applicants who have received grades "FX" and "F" ("2") are not included in the list of ranked applicants. The grade "FX" is assigned to applicants who have scored the minimum number of points for current academic activities, but who have not been credited with the final control. The grade "F" is assigned to applicants who have attended all classes in the discipline, but have not gained an average score (3.00) for current academic activities and are not allowed to take the final control.

Acquirers enrolled in the same course (one specialty), based on the number of points gained in the discipline, are ranked on the ECTS scale as follows:

**Conversion of the traditional grade from the discipline and
the sum of points on the ECTS scale**

ECTS mark	Statistic index
"A"	Next 10% of acquirers
"B"	Next 25% of acquirers
"C"	Next 30% of acquirers
"D"	Next 25% of acquirers
"E"	Next 10% of acquirers

STUDENTS' SELF-STUDY WORK

Students' self-study which is performed on the topic of a practical class along with classroom activities, is evaluated during the current monitoring at the corresponding session.

Self-study work involves preparation to each thematic session.

COURSE POLICIES

Deadlines and make-ups policy.

Unexcused absences at practical sessions are made up according to the schedule to the instructor on duty.

Absences for valid reasons are worked out according to an individual schedule with the permission of the dean's office. Work-up of missed classes according to an individual schedule is carried out in full at a time specially determined by the head/head instructor of the department every day, but no more than one class per day at the department.

Academic integrity policy:

Students must observe academic integrity, namely:

- independent performance of all types of work, assignments, forms of control provided by this course work program;
- cite all sources of information in the case of using ideas, designs, statements, data;

- observance of legislation on copyright and related rights;
- providing reliable information about the results of one's own educational (scientific) activity, used research methods and sources of information.

Unacceptable for participants of the educational process are:

- using family or official ties to obtain a positive or higher grade during any form of control of learning outcomes or advantages in academic performance;
- use of prohibited auxiliary materials or technical means (cheat sheets, notes, micro-earphones, telephones, smartphones, tablets, etc.) at controls;
- passing procedures for learning outcomes control by fake persons.

For violation of academic integrity, students may get the following academic penalties:

- decrease in grades for the control work, current performance, credit, etc.;
- retake of assessment (control work, credit, etc.);
- additional control assignments (additional individual tasks, control works, tests, etc.);
- conducting an additional inspection of other works authored by a violator.

Attendance policy

Uniform: a medical gown that completely covers the outer clothing, or medical pajamas, a cap, a mask, and a change of shoes.

Equipment: notebook, pen, phonendoscope.

State of health: students suffering from acute infectious diseases, including respiratory diseases, are not allowed to attend classes.

A student who is late for class can attend it, but if an instructor noted his absence in the register, he must make it up in the general order.

In order to receive a satisfactory grade, it is mandatory to attend and participate at classroom sessions.

Mobile devices

It is allowed to be used with the instructor's permission for performing a task.

Student Conduct

Students and instructors' conduct in a classrooms must be working and calm, strictly comply with the rules established by the Regulations on academic integrity and ethics in academic relations at Odesa National Medical University, in accordance with the Code of Academic Ethics and University Community Relations of Odesa National Medical University, Regulations on Prevention and detection of academic plagiarism in the research and educational work of students of higher education, scientists and teachers of Odesa National Medical University.