

MINISTRY OF HEALTH OF UKRAINE
ODESA NATIONAL MEDICAL UNIVERSITY

APPROVED

**by the Academic Council of Odessa
National Medical University
«23» June, 2022
Record № 9**

IMPLEMENTED

**By order
Of the Rector of
Odessa National Medical University**

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№ 242-O
«23» June, 2022

CONCEPT OF EDUCATIONAL ACTIVITY

**by specialty 222 "Medicine" field of knowledge 22 "Health care"
at Odessa National Medical University**

I. General provisions

Code and name of the specialty: specialty 222 "Medicine" of the field of knowledge 22 "Health care".

Level of education: second (master's) level of higher education.

Degree of education: master's degree.

An approximate list of professional qualifications that are planned to be provided: educational qualification – master of medicine; professional qualification – doctor; qualification in the diploma - master of medicine, doctor.

Educational and professional program: "Medicine".

The scope of the educational program: 360 ECTS credits.

The goal of the educational program: training of highly qualified specialists capable of carrying out professional activities, solving complex tasks and problems of a research and innovation nature in the field of health care in conditions characterized by uncertainty and variability, continuing education with a high degree of autonomy.

Requirements for the level of education of persons entering: on the basis of a complete general secondary education according to the results of an external independent assessment. Admission based on the degree of "bachelor", "junior bachelor", "specialist junior bachelor" or the educational and qualification level of a junior specialist in the specialty 223 "Nursing" is carried out based on the results of external independent assessment and entrance exams in the institution of higher education in subjects (disciplines), in which there is no external independent evaluation.

II. Purpose, tasks and principles of the Concept implementation

The concept of the educational activity in the specialty 222 "Medicine" of the field of knowledge 22 "Health care" (hereinafter - the Concept) is compiled on the basis of the Concept of educational activity approved by the Academic Council of ONMedU on January 16, 2020 and the Concept of strategic development of ONMedU for the period until 2025, approved by the Academic Council of ONMedU on February 8, 2021.

The strategic goal of the Concept is to create organizational, legal and socio-economic conditions for improving the quality of higher education in the specialty 222 "Medicine" by bringing its standards to international and national requirements

of higher medical education, effective use of material, technical and personnel potential, financial and economic resources university

The main tasks of the Concept implementation are:

- formation of a favorable educational environment;
- shifting the focus to the personality of the student-practitioner;
- control of proactive clinical training;
- training based on practical knowledge acquisition;
- restoring trust in the medical profession.

The peculiarities of educational activities in the specialty 222 "Medicine" of the field of knowledge 22 "Health care" at the Odesa National Medical University are:

- 1) focus on the formation of a professionally oriented position and outlook;
- 2) implementation of international educational standards, algorithms and technologies in the educational process;
- 3) development of divergent thinking and skills of its practical application;
- 4) transformation of the educational process based on its reorientation to the practical training of higher education seekers and a problem-oriented approach to learning;
- 5) continuous monitoring of the educational process and quality assurance of the internal system of higher education;
- 6) focus on establishing uniform requirements and rules for assessing the level of knowledge, impartiality and objectivity of assessing the acquired knowledge;
- 7) focus on the formation of specific skills and competences in higher education seekers, in particular, complex solutions to clinical problems and problems related to professional activity; critical thinking; practical and emotional intelligence; flexibility of cognition, judgment and clinical decision-making; patient-centered relationship model; interpersonal interaction along the lines of "doctor-patient", "doctor-doctor", "doctor-middle medical staff", "doctor-junior medical staff";
- 8) feedback provision from the main stakeholders in the training process.

The principles of the Concept implementation are:

- inseparability of the processes of education, research and medical work;

- ensuring competitiveness owing to the guaranteed high quality of medical education;
- building an educational program based on competence;
- ensuring a unified approach to the development of an educational program with mandatory consideration of professional standards, definition of criteria for evaluating knowledge, abilities, skills and competences, terms and procedure for confirmation of qualifications obtained by a seeker of higher education;
- ensuring the independence and objectivity of the assessment of higher education seekers;
- scientifically based analysis of the needs of the labor market and prospects for the development of the medical industry;
- promotion in the acquisition of professional qualifications by seekers of higher education in particular owing to the organization of the educational process;
- recognition of high-quality practical training of higher education seekers as a necessary condition for obtaining the qualification of a doctor;
- compatibility of the educational program with international and national standards of higher education in specialty 222 "Medicine";
- availability of all forms and types of educational services provided by the University for students of higher education;
- equality of conditions for each subject of education regarding the full realization of his abilities, talent, comprehensive development;
- humanism, democracy, priority of universal spiritual values;
- independence of educational activity from the influence of political parties, public and religious organizations;
- interaction with medical educational and scientific institutions of foreign countries;
- integration of education and science during the implementation of educational activities.

III. Realization of the educational process within the framework of the Concept

To achieve the goal and key tasks of the Concept realization, a holistic system of obtaining higher education in the specialty 222 "Medicine" is being formed owing to the formation of a high-quality educational environment.

The basis for the organization of the educational process is competence-based, student-centered and practical-oriented approaches. The educational process is carried out using contextual, problem-oriented learning, modern information and communication technologies, in compliance with the principle of "lifelong learning" - continuous professional development.

The main forms of organization of the educational process are: lectures, practical classes, independent work, consultations, curation of patients, practical trainings and cycles of simulation training.

The main methods, techniques and technologies used in the educational process are anamnestic, clinical, laboratory, instrumental methods of conducting the diagnostic process, determining the leading symptoms and syndromes, determining the preliminary and clinical diagnosis; diagnostic technologies, treatment and prevention, management and organization of work in the field of health care.

The educational process is focused on individual work with students, which forms the conceptual basis for the formation of an educational environment in which the student should actively study. An individual approach is provided due to a flexible system of educational components, a significant number of elective courses, as well as the formation of the applicant's individual educational trajectory.

Evaluation of the learning outcomes of higher education seekers takes place in the form of ongoing control, final control and certification.

The main forms of current control are current assessment, test control, practical skills assessment and assessment of case history writing.

The main forms of final control are tests, graded tests, oral and written exams.

Evaluation principles: objectivity, planning, systematicity, unity of requirements, openness, transparency, efficiency, accessibility and comprehensibility of the evaluation methodology, taking into account the individual capabilities of higher education seekers.

Attestation of master's degree holders in the specialty 222 "Medicine" takes place in the form of a unified state qualification exam (USQE), which consists of the following components: integrated test exam "STEP 1" and "STEP 2"; objective structured practical (clinical) exam (OSCE); international exam on the basics of medicine; professional English language exam.

As a result of mastering the components of the educational program, the graduate should have the following competencies:

- *Integral competence*: ability to solve typical and complex problems, including those of a research and innovation nature in the field of medicine. Ability to continue learning with a high degree of autonomy;
- *General competences*: ability to abstract thinking, analysis and synthesis; ability to learn and master modern knowledge; ability to apply knowledge in practical situations; knowledge and understanding of the subject field and understanding of professional activity; ability to adapt and act in a new situation; ability to make informed decisions; ability to work in a team; ability for interpersonal interaction; ability to communicate in a foreign language; ability to use information and communication technologies; ability to search, process and analyze information from various sources; determination and persistence in relation to the assigned tasks and assumed responsibilities; awareness of equal opportunities and gender issues; ability to realize one's rights and responsibilities as a member of society, to be aware of the values of a 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; ability to preserve and multiply moral, cultural, scientific values and achievements of society based on an understanding of 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 and technologies, to use various types and forms of motor activity for active recreation and leading a healthy lifestyle; ability to evaluate and ensure the quality of performed works; the desire to preserve the environment;
- *Special competencies*: ability to collect medical information about the patient and analyze clinical data; ability to determine the necessary list of laboratory and instrumental studies and evaluate their results; ability to establish a preliminary and clinical diagnosis of the disease; ability to determine the necessary regime of work and rest in the treatment and prevention of diseases; ability to determine the nature of nutrition in the treatment and prevention of diseases; ability to diagnose emergency conditions; ability to determine tactics and provide emergency medical assistance; ability to carry out medical evacuation measures; ability to perform medical manipulations; 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; ability to determine the tactics of physiological pregnancy, physiological childbirth and the postpartum period, family

planning and contraceptive method counseling skills; ability to carry out sanitary and hygienic and preventive measures; ability to plan and carry out preventive and anti-epidemic measures regarding infectious diseases; ability to conduct an examination of working capacity; ability to maintain medical documentation, including electronic forms; ability to assess the impact of the environment, socio-economic and biological determinants on the state of health of an individual, family, population; ability to analyze the activity of a doctor, unit, health care institution, ensure the quality of medical care and increase the efficiency of the use of medical resources; ability to organize and integrate the provision of medical assistance to the population and the marketing of medical services; ability to conduct epidemiological and medical statistical studies of the health of the population; processing of social, economic and medical information; 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; ability to manage work processes in the field of health care, which are complex, unpredictable and require new strategic approaches; ability to develop and implement scientific and applied projects in the field of health care; compliance with ethical principles when working with patients and laboratory animals; observe professional and academic integrity, bear responsibility for the reliability of the obtained scientific results; ability to determine the management tactics of persons subject to dispensary supervision; ability to diagnose and determine the management tactics of patients with extrapulmonary and widespread forms of tuberculosis, including TB/HIV co-infection with a chemoresistant course; ability to apply fundamental biomedical knowledge at a level sufficient to perform professional tasks in the field of health care.

Guarantor of the educational and professional program,

vice-rector for scientific and pedagogical work of ONMedU,

Doctor of Medical Sciences, professor

Valeria MARICHEREDA