



MEDICAL UNIVERSITY - PLEVEN

FACULTY OF MEDICINE

QUALIFICATION CHARACTERISTICS

The qualification characteristic is the basic document for planning, organizing and managing the learning process. It defines the professional use of medical education with a "Master's" degree and professional qualification – “Doctor”, and the opportunities for development.

Education in "Medicine" provides:

- adequate knowledge of the compulsory subjects for professional qualification and a good understanding of scientific methods and principles of measuring biological functions, the evaluation of scientifically established facts and data analysis;
- sufficient understanding of the structure, functions and behavior of healthy and sick people, as well as the relationship between health and the physical and social environment of human beings;
- adequate knowledge of clinical disciplines and practices that give a clear picture of physical and mental diseases and their prevention, diagnosis and treatment as well as knowledge on human reproduction;
- clinical experience in hospitals under appropriate supervision.

The education in "Medicine" at the Faculty of Medicine in Medical University - Pleven is held within 10 semesters and 12 months of clinical experience only in full-on curriculum, semester plans and detailed curricula approved by the Faculty Council. Plans and programs are drawn up in accordance with the Ordinance on the unified state requirements for acquiring higher education in "Medicine" and "Dentistry" to a "Master's" degree level. Regulation on recognition of diplomas, certificates and other evidence of professional qualification and specialization in the field of healthcare, the European Directives 75/362 / EEC, determine the content of professional competence and activities that should be able to be carried out by the receiver of the university title of “Master” with the professional qualification "medical doctor."

Education in "Medicine" is carried out in three directions - fundamental & specialized

theory and, practical medical training lasting six years. Upon graduation, the Master's qualified medical doctor must possess fundamental and specialized medical knowledge and skills for the main types of professional activities: **Diagnostics** - making a common plan of study of the patient, collection, processing and evaluation of history, selection and implementation of adequate and friendly methods of investigation, analysis and evaluation, informing the diagnosis and reporting to the patient or his relatives. **Healing** - providing primary medical assistance, compiling a total treatment plan, implementation of the treatment itself, assessment of the course of treatment to make the necessary corrections, providing urgent medical assistance in emergencies. **Prevention** - detection and removal of pathogenic factors of the environment and in the human body, dispensary, conducting preventive and curative measures, health and educational, environmental activities, development of healthcare projects for removal and liquidation of socially significant diseases, improving the organization of medical services and others. These professional competencies enable the completed master practitioner to work independently in different areas and institutions of preventive and clinical medicine - practices for primary care centers, emergency medical services, medical diagnostic and consultative centers, hospitals and others.

Professional competence of the Master's qualified medical doctor includes a variety of basic and special knowledge and skills:

Fundamental: biomedical, medical and ethical and social knowledge:

The Master's qualified medical doctor needs to know:

- hierarchical levels and structure of the organization of human bodies (molecular, cellular, tissue, organ, system);
- chemical composition and physico-chemical processes in the human body;
- pathways and regulation of metabolism and energy in molecular, cellular and organismal levels for the human body;
- genetic structures and processes of transmission of genetic and epigenetic information;
- phylogenetic and ontogenetic development of man;
- somatic, psychic and social functions in humans;
- basic living conditions of the people - health and disease;
- natural and social determinants of health and disease;
- etiology and mechanisms of occurrence of diseases;
- classification of diseases;
- ethical norms and morality of the doctor;
- patient rights;
- communications, computing and information systems in medicine and health care;

- structure and activities of health systems

Fundamental knowledge is a mandatory basis through which special training adds specific medical knowledge that shape the profile of the medical profession.

1. Special medical knowledge:

The Master's qualified medical doctor needs to know:

- methods and techniques of health promotion;
- technologies and funds for disease prevention;
- medical communication techniques;
- general and special methods of examination of sick and healthy;
- basic understanding of normal and abnormal pregnancy and childbirth;
- basic knowledge of reproductive health;
- clinical pictures of diseases of all organs and systems in Human body;
- to prepare a differential diagnosis through detailed knowledge, methodology and technology of modern diagnostic methods;
- distinguish the clinical pictures of mental illness from norm;
- methodology and technology in medical consultation rounds and outpatient hospital care;
- drugs and their mechanism of action;
- behavior and treatment of life-threatening conditions;
- conservative and surgical treatment of various diseases;
- rehabilitation of lost functions and more.

Besides basic and special medical knowledge, the Master's qualified medical doctor should have different types of abilities and skills to enable them to carry out various activities, which are included in the content of medical practice.

2. Organizational and personal abilities and skills:

The Master's qualified medical doctor must acquire critical, creative and innovative thinking and a realistic self-assessment of his ability in:

- solving specific organizational and professional problems;
- teamwork involving different professionals;
- operating in an emergency and critical situations;
- tolerance, recognition and observance of ethical and behavioral standards in medicine and society;
- practicing with kindness and integrity;
- admission of the possibility of "second opinion" and referral to another specialist;
- avoid scoring and abuse of position occupied;
- use of modern electronic information technics for collecting, organizing, statistical analysis and presentation of data;
- work with the global information network (Internet);

- command of least one world language - English is necessary;
- uses Latin language in the terminology of diseases and manipulations;
- doctor must be ready at any time to explain and justify their actions and decisions, when there are questions or concerns about their practice.

The Master's qualified medical doctor needs to be able to realize their medical knowledge practice must possess specific manipulative, technological and intellectual abilities and skills.

3. Specialized medical abilities and skills:

The Master's qualified medical doctor should be able to:

- pursue a medical interview with the sick and to create history for the patient and disease;
- carry out studies of patients with major physical methods;
- perform basic tools and hardware research, included in the obligations of the doctor of primary care and emergency medical services (blood pressure measurement, determination of visual acuity, color vision, rhinopharyngoscopy, otoscopy, bleeding time and clotting Urine ready tests, record the electrocardiogram, scarring tests and others.);
- to determine specific needs for various research for leading diagnostic tests and to prepare these tests for the sick;
- to carry out "the process of clinical decision-making" such as conducting a nosological diagnosis (if possible - etiological, functional, etc.) to determine the seriousness, severity and prognosis of the disease, treatment and perform related noninvasive and invasive actions;
- to conduct an examination of the patient's ability to;
- to master and apply the emergency resuscitation methods (artificial breathing, cardiac massage, cardiac defibrillation, invasive drug infusions, etc.).
- to possess and carry the main non-invasive and invasive medical manipulations and actions (different types of injections, puncture of body cavities, bladder catheterization, stomach drilling, local and conduction anesthesia, treatment of wounds, making dressings, shading of skin lesions, incisions, removing the sutures from operating sewing, blood transfusions and fluids and the like.);
- perform basic screening tests;
- pursue effective monitoring of sick and efficiently guide the development of the healing process;
- to perform "bedsite" diagnosis of potential donors;
- be sensitive to the issues of organ, tissue donation and transplantation of stem-cells;
- professionally involved in preserving and restoring the mental health of the population.

Professional competence of Master's qualified medical doctor should provide opportunities to enable them:

- to provide modern emergency medical care;
- to determine the needs of patients with different types of the medical assistance;
- to perform effective diagnosis, treatment and rehabilitational-assistance to patients with acute and chronic diseases in primary and hospital care;
- pursue efficient and effective promotional and preventional activity with healthy and sick;
- to conduct analyzes and evaluations of different types of health activities;
- maintain effective liaison with the health authorities, healthcare organizations, patients and others. related to health care;
- to communicate as appropriate, / if any / as occurring adverse reactions;
- keep the records of the patient in paper or electronic form;
- to start without further preparation for graduate education preparing various types of medical specialties.

Throughout his professional life, the physician should maintain and update their knowledge and skills through medical education and other forms of qualification.

The Master's qualified medical doctor receives the necessary professional competence by studying the compulsory subjects which are listed in the Unified State requirements and curriculum as well as through the study of additional optional and elective study disciplines. The study content these subjects who is consistent with the current state of medical science, practice, and education and experience of the European Union.

4. Research knowledge and skills:

The Master's qualified medical doctor must:

- have knowledge of the principles of research for conducting and interpretation of scientific data from experimental studies;
- to known the principles, advantages and limitations of different scientific and traditional approaches to solving a particular health problem;
- be able to handle basic medical and biological and medical databases and to analyze critically the information provided;
- be able to present oral and written individually or in teams conducted medical research.

That professional competence will allow Master doctor to find success in the following areas of medical practice:

- GP;
- Doctor in all kinds of therapeutic, diagnostic and consultative, preventive, social and other divisions of health care;
- Doctor in administrative offices and health departments at municipal, regional and national levels.

That professional competence will enable the Master doctor to:

Continue their medical education through a system of specialization to obtain certain medical specialty;

- To continue their studies in the degree "Medical Doctor" by all kinds of doctorates, according to their research interests;
- To apply and work as a research and teaching staff at the Medical University or other universities and research institutes, according to their capabilities and skills by building a scientific career.