A list of the courses offered and a brief description of each course

Molecular Biology and Human Genetics

*The 1*\textsuperscript{st} semester – 17 course hours; 34 hours of practice activities.

*The 2*\textsuperscript{nd} semester – 17 course hours; 34 hours of practice activities.


Bioorganic Chemistry

*The 1*\textsuperscript{st} semester – 17 course hours; 51 hours of practice activities.


**Latin Language**

*The 1*\textsuperscript{st} *semester* - 34 hours of practice activities.

*The 2*\textsuperscript{nd} *semester* – 34 hours of practice activities.


**Modern Language**

*The 1*\textsuperscript{st} *semester* – 34 hours of practice activities.

*The 2*\textsuperscript{nd} *semester* – 34 hours of practice activities.
The specialty texts (biology, physiology, anatomy, etc.). Grammatical and textual exercises. The development of the ability to communicate with the patient, to present orally and in written form the specialty subjects.

**Romanian Language**

*The 1st semester* – 34 hours of practice activities.

*The 2nd semester* – 34 hours of practice activities.

**General Chemistry**

*The 1st semester* – 17 hours of course, 51 hours of practice activities.


**Human Anatomy/Anatomy of Head and Neck**

*The 1st semester* – 34 hours of course, 85 hours of practice activities.

*The 2nd semester* – 34 hours of course, 51 hours of practice activities.

nervous system – neurology. The functional characteristic of nervous system. The central system. The periphery nervous system. The vegetative nervous system. The study of vascular system (angiology).

**General anatomy, the development and functions of cardiovascular system.**

**The organs of haematopoiesis and immunologic system.**

*Practical activities:* The study of bones, the muscles’ articulations, sanguine vessels, the peripheral and central nervous system. The determination of parts and regions of human body. The shape of thoracic lines and abdomen regions. Demonstrations on cadaver. Interdependence of the organs. The description on radiological plates of structural elements of the organs. The gaining the ability to use the theatre instruments (lancet, tweezers, etc.). The skin, fascis and muscles’ draining. The preparation of fascis, muscles, articulations, ligaments, internal organs, sanguine vessels and nerves. Determination on alive: labial phrenicoles, lingual, the places of salivary glands. The determination of oesophagus, stomach, thin and thick intestines’ parts. The demonstration of ground’s root elements, pleural sinus, mediastinum, the pericardia sinus on cadaver. The determination of the performance places of lumbar puncture and suboccipital.

**Histology, Cytology, Embryology**

*The 2nd semester* – 34 hours of course, 51 hours of practice activities.

Practical activities: The histological techniques. Cytology and morphology of the cells and cellular structures. The basis of general embryology. Sexual sells, the blastula structure, Gastrulation, the differentiation of embryonic sheets. General histology. Epithelial textures, conjunctive, skeletal, muscled, nervous.


Practical activities: The special histology. The feeling organs, the cardiovascular system. The haematopoiesis organs and lymphoides, endocrine and neuro-secretor system, the digestive system and annex glands. The oral cavity. The histofunctional characteristics of the mucus tunic: the structural histochemical peculiarities of the mucus tunic epithelium, its vascularization. The cornification of mucus tunic epithelium of the oral cavity. The peculiarities of physiological regeneration and reparative peculiarities and age modifications of mucus tunic epithelium of the oral cavity. The teeth. The morpho functional characteristics. The notion about soft and hard textures of teeth. Enamel. Dentin. Its microscopic characteristics. The cement. The cement structure. The development of maxilo–dental system. The respiratory apparatus, the urinary apparatus, the masculine and feminine genital apparatus. The basis of human embryology.

Biological Chemistry
The 2nd semester – 17 hours of course, 58 hours of practice activities.


Physiology

The 2nd semester – 17 hours of course, 51 hours of practice activities.

Course: Physiology of excitable textures. General physiology of SNC. The analysis of reflex arch. The peculiarities of spreading the SNC excitation. Inhibition in SNC. Endocrinology. The function of intern secretion glands. The
cardiovascular system. The properties and peculiarities of cardiac muscle. The regulation of cardiac activities. The physiology of sanguine vessels. The digestion. The methods of digestive tract study. The digestion in oral cavity and in stomach. The digestion in intestines. The absorption.


**Propaedeutics of Therapeutical Dentistry**

*The 1st semester* – 17 hours of course, 25 hours of practice activities.

*The 2nd semester* – 17 hours of course, 26 hours of practice activities.


**Propaedeutics of Orthopedic Dentistry**

*The 1st semester* – 17 hours of course, 25 hours of practice activities.

*The 2nd semester* – 17 hours of course, 26 hours of practice activities.


**Practical activities:** Dental prosthetics, content, aims and tasks. Knowledge with clinic structure (department, theatre), installation and instruments. Functional morphology of Dentistry system. Functional morphology of maxillary of ATM and


**The Culture of History and Philosophy**

*The 2\textsuperscript{nd} semester* – 20 hours of course, 30 hours of seminars.

*Course and practical activities*: The object and culture problems. The culture in informational

**Physical Training**

*The 1st semester* – 34 hours of practice activities.

*The 2nd semester* – 34 hours of practice activities.

**Informatics**

*The 1st semester* – 17 hours of course, 34 hours of practice activities.

*Course:* Informatics. The basic notions. The information representation. The Alphabet ASCCI. The information codification. The quantity of information and its measurement. The calculator as an instrument of storage, procession and reproduction of information.

The main hardware components of a PC. The internal structure and its way of working. Parameters and essential characteristics of PC components. The algorithm principles. The programming tongue. The compiler and interpreter notions. The classification of software resources, the system programme, the applicative programme. Operation systems. The basic notions and operations. The menu type applications. The modern informational technologies used in medicine. The hardware and software components of calculator networks. Network types and structures. Internet network. Information diffusion.

**Medical Biophysics and instrumentation**

*The 2*\textsuperscript{nd} *semester* – 34 hours of course, 51 hours of practice activities.


General Psychology

The 1st semester – 17 hours of course, 34 hours of practice activities.


Practice: 144 hours of medical assistance.

Analytical Programme of Disciplines

The Second Year

Philosophy and Bioethics

The 3rd semester – 25 hours of course, 34 hours of practice activities.

The 4th semester – 26 hours of course, 34 hours of practice activities.

Modern Language

The 3rd semester – 34 hours of practice activities.

The 4th semester – 34 hours of practice activities.

Specialty texts (biology, physiology, anatomy etc). Textual and grammatical exercises. Creation of conservation abilities with the patient, to present orally and in written form specialty subjects.

Oral biochemistry
The 3rd semester – 17 hours of course, 51 hours of practice activities.


The Human Oro-Maxillo-Facial Physiology

The 3rd semester – 17 hours of course, 34 hours of practice activities.


Oral Microbiology/Microbiology, Virusology, Immunology

The 3rd semester – 17 hours of course, 34 hours of practice activities.

The 4th semester – 17 hours of course, 34 hours of practice activities.


**General Surgery, Semiology**

*The 3\textsuperscript{rd} semester* – 8 hours of course, 17 hours of practice activities.

*The 4\textsuperscript{th} semester* – 9 hours of course, 17 hours of practice activities.


**The Internal Medicine – Semiology**
The 3rd semester – 9 hours of course, 17 hours of practice activities.

The 4th semester – 8 hours of course, 17 hours of practice activities.


Topographic Anatomy and Operatory Surgery of Head and Neck
The 3rd semester – 17 hours of course, 34 hours of practice activities.


The History of Medicine. Medical Deontology

The 4th semester – 17 hours of course.

Course: The main aspects of study the history of medicine. Medicine in the epoch of primitive formation. The medicine in antique states of sclavagist leading. The medicine in Antique Greece and Antique Rome.
The medicine in Feudal epoch. The medicine in Renaissance. The development of medicine in light century. The development of medicine in the epoch of capitalism. The development of medicine during the XXth century. The history of medicine in Moldova.

Practical activity: The main aspects of study the history of medicine. The medicine in Antique Rome and Greece. Medicine in feudal epoch. The medicine in Renaissance. The development of medicine in light century. The development of medicine in the epoch of capitalism. The development of medicine during the XXth century. The history of medicine in Moldova.

The development of health protection and medical science in Moldova. The history of Medical University ‘Nicolae Testemiteanu’. Ethics and deontology in medicine.

Propaedeutics of Orthopedic Dentistry

The 3rd semester – 17 hours of course, 85 hours of practice activities.

The 4th semester – 17 hours of course, 85 hours of practice activities.


Propaedeutics of Therapeutical Dentistry

The 3rd semester – 17 hours of course, 85 hours of practice activities.

The 4th semester – 17 hours of course, 85 hours of practice activities.


The Prophylaxis of Oral Affections

The 4th semester – 4 hours of course, 13 hours of practice activities.


Practical activities: The working activities of prophylaccy stomatologic departments. Instruments, the rules of sterilization of installation. The elements of asepsion and antisepsion. The study of instruments, stomatologic medical equipment,

**Propaedeutics of Oro – Maxillo – Facial Surgery**

*The 3rd semester* – 17 hours of course, 43 hours of practice activities.

*The 4th semester* – 17 hours of course, 42 hours of practice activities.


**General Hygiene**

*The 4th semester* – 17 hours of course, 34 hours of practice activities.
Course: The object and the tasks of the hygiene. The air hygiene. The hygienic appreciation of climacteric factors. Pollution of atmosphere air, the influence upon the organism. The hygienic normalization principles. The hygiene of water and water provision. Hygienic conditions towards the potable water. Organoleptic, physics, chemical index. The importance of mineral component for the structure of dental texture. The problem of fluorine, decay and dental fluorosis. The alimentation hygiene. The notions about balanced alimentation. The quantitative necessity in alimentation. The hygienic characteristics of the most important alimentary products. Alimentary intoxications and their prophylaxis measures. Hygiene of ionized radiations. Organization and inspection of alimentation.

Practical activities: The air hygiene. The hygienic appreciation of climacteric factors. The hygienic appreciation of ventilation and the healing systems inside. The hygienic appreciation of natural and artificial illumination. The chemical component of atmospheric air and its hygienic importance. The pollution of atmospheric air, the influence upon the organism. The hygiene of water and water providing. Hygienic conditions towards the potable water. The importance of mineral component for the structure of dental texture. The problem of fluorine, decay and dental fluorosis. The alimentation hygiene. The notions about balanced alimentation. The quantitative necessity in alimentation. The quantitative necessity in alimentation. The hygienic characteristics of the most important alimentary products. Alimentary intoxications and their prophylaxis measures. Hygiene of ionized radiations. Organization and inspection of alimentation. The influence of physical and intellectual work towards the functional state of the organism. The working hygiene in agriculture in Republic of Moldova. The children and teenagers’ hygiene. The physical development of children and teenagers.

Medical Psychology

The 3rd semester – 17 hours of course.


Oral Histology

The 3rd semester – 17 hours of course, 34 hours of practice activities.

Practical activities: The histological techniques. Cytology and morphology of the cells and cellular structures. The basis of general embryology. Sexual sells, the blastula structure, Gastrulation, the differentiation of embryonic sheets. General histology. Epithelial, conjunctive, skeletal, muscular, nervous tissues.


Practical activities: The special histology. The CNS and peripheral nervous system, The feeling organs, the cardiovascular system. The haematopoiesis organs and lymphoides, endocrine and neuro - secretor system, the digestive system and annex glands. The oral cavity. The histofunctional characteristics of the mucus tunic: the structural histochemical peculiarities of the mucus tunic epithelium, its vascularization. The cornification of mucus tunic epithelium of the oral cavity. The peculiarities of physiological regeneration and reparative peculiarities and age modifications of mucus tunic epithelium of the oral cavity. The teeth. The morpho functional characteristics. The notion about soft and hard textures of teeth. Enamel. Dentin. Its microscopic characteristics. The cement. The cement structure. The development of maxillo – dental system. The respiratory apparatus, the urinary apparatus, the masculine and feminine genital apparatus. The basis of human embryology.
Practice: 144 hours of medical assistance.

Analytical Programme of the Third Year Disciplines

Morphopathology

The 5th semester – 34 hours of course, 51 hours of practice activities.


**Physiopathology**

*The 5*th* semester* – 34 hours of course, 51 hours of practice activities.


**Internal Medicine**

*The 5th semester* – 8 hours of course, 17 hours of practice activities.

*The 6th semester* – 9 hours of course, 17 hours of practice activities.


*Practical activities:* The patients’ examination with syndrome bronchic obstruction. Peculiarities of clinic examinations, instrumental investigations with cardiac affections, digestive tract, liver and biliary ways, pancreas, blood and

**General Surgery, Pathologic Surgery**

*The 5th semester* – 8 hours of course, 17 hours of practice activities.

*The 6th semester* – 9 hours of course, 17 hours of practice activities.


**The Orthopedic Dentistry**

*The 5th semester* – 17 hours of course, 68 hours of practice activities.

*The 6th semester* – 17 hours of course, 68 hours of practice activities.


**Practical activities:** The clinical and paraclinical examination of patients with coronary dental lesions. Diagnosis and determination of indications by the prosthetic treatment. Indications and prosthetic treatment with extraticular and

Therapeutical Dentistry

*The 5th semester* – 17 hours of course, 68 hours of practice activities.

*The 6th semester* – 17 hours of course, 68 hours of practice activities.


**Oro – Maxilo- Facial Surgery**

*The 5th semester* – 17 hours of course, 59 hours of practice activities.

*The 6th semester* – 17 hours of course, 60 hours of practice activities.


Radiology and Imagistics / Stomatological Radiology

The 5th semester – 8 hours of course, 26 hours of practice activities.

The 6th semester – 9 hours of course, 25 hours of practice activities.


Otorhinolaryngology (ORL)

The 6th semester – 8 hours of course, 26 hours of practice activities.

Course: The peculiarities of morphologic and physiologic structures of the nose and paranasal sinus. The nose’s defects and deformation. Epithaxis. The endoscopic methods of ORL investigation. The affections of paranasal sinus. Rinogenic


**Ophthalmology**

*The 6th semester* – 17 hours of course, 34 hours of practice activities.


**Pharmacology**

*The 5th semester* – 17 hours of course, 25 hours of practice activities.

*The 6th semester* – 17 hours of course, 26 hours of practice activities.


**Calamities and Military Medicine**

*The 5th semester* – 10 hours of course, 20 hours of practice activities.

*The 6th semester* – 10 hours of course, 20 hours of practice activities.

**Course of practical activities:** The Armed Forces of RM. Missions and organizing structure of SMANRM. Characteristics of sanitary loses in a company. The organization of medical points. Data of medical assurance of the troop.

The notion of calamities and their classifications. Civil protection and the medicine of calamities. Missions and organizing structures of the emergency medical assistance service of RM in exceptional situations. Characteristics of sanitary loses of population in cases of calamities. Protection of the population in exceptional situations in peace time.

Human ECOLOGy, dental ecology

*The 6th semester* – 17 hours of course, 34 hours of practice activities.


The Prophylaxis of Oral Affections

*The 5th semester* – 17 hours of course, 51 hours of practice activities.

*The 6th semester* – 17 hours of course, 51 hours of practice activities.


*Practice:* 72 hours of therapeutical Dentistry. 72 hours of orthopedic Dentistry.

**Analytical Programme for the Fourth Year of Study**

**Obstetrics and Genecology**

*The 8th semester* – 9 hours of course, 25 hours of practice activities.


**Dermatovenerology / stomatological dermatovenerology**
The 7th semester – 9 hours of course, 25 hours of practice activities.

The 8th semester – 5 hours of course, 12 hours of practice activities.


Infectious Diseases

The 8th semester – 5 hours of course, 12 hours of practice activities.

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Course: Introduction in specialty. The classification of infectious diseases. Their role in human pathology and in practice of stomatologist. Viral hepatitis. Infection HTV and AIDS.


Internal Medicine. Pneumophtsiology

The 7th semester – 5 hours of course, 12 hours of practice activities.

The 8th semester – 9 hours of course, 25 hours of practice activities.


Medical Rehabilitation

The 8th semester – 5 hours of course, 12 hours of practice activities.


Otorhinolaryngology (ORL)

The 7th semester – 5 hours of course, 12 hours of practice activities.


Public Health and Sanitary Management

*The 7th semester* – 5 hours of course, 12 hours of practice activities.

*The 8th semester* – 9 hours of course, 25 hours of practice activities.


Neurology /neurosurgery

*The 7th semester* – 9 hours of course, 25 hours of practice activities.


Pediatrics: oral manifestations in children

The 8th semester – 6 hours of course, 28 hours of practice activities.


Practical activities: The peculiarities of anamnesis collection of little patients, the peculiarities of objective examination of children. The measure of arterial pressure. The creation of babies’ menu. Appreciation and registration babies’ stool. Inhalation. The appreciation of stomach secretion. Interpretation of general analysis of blood and urine. Interpretation of
biochemical analysis of blood. The peculiarities of ECG and FCG. Completion of observation file, argumentation of preliminary diagnosis and alimentary regime. Anamnesis and alimentation of babies. Prescribing an adequate alimentation according to age and child’s state. The role of children’s alimentation till the age of 14 in development of chewing apparatus and maxilo dental system.

**Toxicology**

*The 7th semester* – 9 hours of course, 25 hours of practice activities.

Surgery and Campaign Surgery

The 7th semester – 17 hours of course, 17 hours of practice activities.


Oro–Maxillo-Facial Surgery

The 7th semester – 17 hours of course, 85 hours of practice activities.

The 8th semester – 17 hours of course, 68 hours of practice activities.

mandible sprain. The bony fractures of medium face region. MF rumor regions. Odontal tumors of maxillaries. Cystic tumors of soft facial parts.


**Orthopedic Dentistry**

*The 7th semester* – 17 hours of course, 68 hours of practice activities.

*The 8th semester* – 17 hours of course, 68 hours of practice activities.


**Therapeutical Dentistry**

*The 7th semester* – 17 hours of course, 68 hours of practice activities.

*The 8th semester* – 17 hours of course, 68 hours of practice activities.


Orthodontic technique

The 8th semester – 17 hours of course, 51 hours of practice activities.


Psychiatry, Medical Psychology
The 8th semester – 9 hours of course, 25 hours of practice activities.


Hematology and Campaign Therapy

The 8th semester – 5 hours of course, 12 hours of practice activities.


Legal Medicine. Mortuary. Medical Law

The 7th semester – 9 hours of course, 25 hours of practice activities.


Epidemiology

The 8th semester – 9 hours of course, 25 hours of practice activities.

Course: The method of epidemiologic analysis in stomatologic practice. Epidemic process. The system of antiepidemic measures. Epidemiology and prophylaxy of viral hepatitis B and HTV infection. Epidemiology nesocominal infection.

Stomatological Clinical Pharmacology

The 8\textsuperscript{th} semester – 5 hours of course, 12 hours of practice activities.


Practice:

72 hours - therapeutic Dentistry

72 hours – orthopedic Dentistry

108 hours – oro – maxilo – facial surgery
Analytical Programme for the Fifth Year Disciplines

Therapeutical Dentistry

The 9th semester – 17 hours of course, 51 hours of practice activities.

The 10th semester – 17 hours of course, 51 hours of practice activities.


**Oro – Maxillo – Facial Surgery**

*The 9th semester* – 17 hours of course, 51 hours of practice activities.
The 10th semester – 17 hours of course, 51 hours of practice activities.


**Dental prosthetics**

*The 9th semester* – 17 hours of course, 51 hours of practice activities.

*The 10th semester* – 17 hours of course, 51 hours of practice activities.


**Pediatric Dentistry (therapy, surgery, orthodontia)**

*The 9th semester* – 34 hours of course, 136 hours of practice activities.

*The 10th semester* – 34 hours of course, 102 hours of practice activities.


**Practical activities:** The method of child examination in the department of stomatologic therapy. Dental decay. The treatment of incipient forms of decay. The principles of preparation the cavity in temporary and permanent teeth. Pulpitis – the incipient stage of odontogen inflammatory process. Selection of treatment method of different forms of pulpitis in dependence of group appurtenance of tooth and the stage of development. Paradontitis. The selection of the treatment method of temporary and permanent teeth, indications for maintainance or removal of temporary or permanent teeth for


Management of stomatological services. Health economy in Dentistry

The 9th semester – 17 hours of course, 51 hours of practice activities.

The 10th semester – 9 hours of course, 25 hours of practice activities.

Course: Management as a science and object of study. Organization, the medical institution. The inter and extern medium of organization, medical institution. The functions of leading, prevision, planning, control and evaluation. The function of management. The link processes, communication and taking decisions. Management in the system of health protection. The personal features of a leader. The people groups and their meaning. The power and personal influence in leading process. The management of human resources. The assurance of an activity of medical institutions. Leading with conflicts. The changes and stress in medical institutions. Social responsibility and ethics in medical institutions.

Introduction in theory economics. The economy of health protection as a science and object of study. Economical activity and basic elements. The concept of property in health protection. The forms of health protection. Market and its

*Practise:* 150 hours of stomatologic pediatry.