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Senatu UJ z dnia 25 września 2019 r.

UNIWERSYTET JAGIELLOŃSKI
COLLEGIUM MEDICUM

Program studiów

Wydział:	Wydział Lekarski
Kierunek:	Medical and Dental Program
Poziom kształcenia:	jednolite magisterskie
Forma kształcenia:	stacjonarne
Rok akademicki:	2019/20

Spis treści

Charakterystyka kierunku

Informacje podstawowe

Nazwa wydziału:	Wydział Lekarski
Nazwa kierunku:	Medical and Dental Program
Poziom:	jednolite magisterskie
Profil:	ogólnoakademicki
Forma:	stacjonarne
Język studiów:	angielski

Przyporządkowanie kierunku do dziedzin oraz dyscyplin, do których odnoszą się efekty uczenia się

Nauki medyczne	**100,0%**

Charakterystyka kierunku, koncepcja i cele kształcenia

Charakterystyka kierunku

The Medical and Dental Program at the Faculty of Medicine of the Jagiellonian University Medical College is a significant program on the European map of medical universities, a well as dynamic, modern, boasting excellent scientific and didactic staff consisting of 150 full professors and doctors with habilitation degrees, and over 450 doctors who, drawing on the wealth of centuries-old tradition, set new directions of thought development through the highest quality scientific research and teaching.
Every year, over 400 doctors graduate from the Faculty, including about 80 dentists. In particular, the Medical and Dental Program at the Faculty of Medicine of the Jagiellonian University Medical College each year enjoys great interest among candidates for medical universities.
The current shape of medical and dental studies is the result of many years of experience in professional education of dental staff in the care of human health and life.
Students have a rich, well-equipped scientific and didactic base, highly qualified scientific and didactic staff, specialist clinical base, and modern scientific and research infrastructure at their disposal.
Medical and dental studies are uniform master's studies lasting 10 semesters. The curriculum of the first three years of studies includes teaching in the field of theoretical disciplines of medical sciences, i.e. normal anatomy, biology with embryology, histology with cytophysiology, general and organic chemistry, biochemistry, physiology, biophysics, microbiology, immunology, genetics, pathology, pharmacology. From the first year of their studies, they are familiarized with the rules of ethics and learn about relations and communication with patients. During the first, second and third year of studies, students are taught general surgery with oncology, the basics of clinical sciences in the form of first aid and elements of nursing, propedeutics of medicine, and internal diseases, as well as epidemiology, history of medicine, history of philosophy, sociology of medicine, medical ethics, psychology, computer science with biometrics, and a foreign language. Pre-clinical classes are held as part of dentistry. This is aimed at preparing the student to work with the patient. These subjects are taught, e.g. as a part of optional classes. Basic clinical disciplines, i.e. paediatrics, infectious diseases, conservative dentistry with endodontics, dental surgery, dental prosthetics, periodontal diseases, oral mucosa, pediatric dentistry, orthodontics, maxillofacial surgery, are taught from the 4th to the 5th year of studies. In the course of studies there is also a program of numerous optional courses, e.g. in medical cytobiology and clinical disciplines, which broaden the

current scope of knowledge in the field of general courses. In order to complete individual years of study, it is necessary to complete program internships. Graduates of the medical and dental faculty receive a diploma and a professional title of doctor of dental surgery (Polish: lekarz dentysta).

Koncepcja kształcenia

The aim of medical and dental studies is to teach the fundamental theories and principles of medical and dental practice, to transfer the skills of communication and cooperation with patients, colleagues and other medical team members, and to prepare to lead human teams. The studies should provide the graduate with the necessary knowledge and skills, as well as ethical principles ensuring professional and safe dental care.
In accordance with the current teaching standards, the graduate has theoretical and practical skills in prevention and treatment necessary to practice the profession of a doctor of dental surgery.
In terms of knowledge, the graduate knows and understands issues in the field of medicine and natural sciences – in the basic scope, issues in the field of dentistry – at an advanced level, issues of health education, principles of conducting scientific research and spreading their results, organization of a dental practice, and management principles in health protection.
In terms of skills, the graduate is able to carry out diagnostics of the most common diseases, assess and describe the somatic and mental condition of a patient, and is able to provide professional dental care in terms of prevention, treatment, health promotion and health education. In addition, he or she is able to plan treatment concerning dental problems, conduct clinical proceedings based on knowledge, and respect the principles of humanitarianism, as well as plan his or her own educational activity and understands the need for continuous training. The graduate is able to inspire the learning process of other people, communicate with the patient and his or her family in an atmosphere of trust, taking into account the needs of the patient, communicate with colleagues within a team and share knowledge, critically evaluate the results of scientific research, and properly justify own position.
In terms of social competences, graduates are ready to establish and maintain deep and respectful contact with patients, as well as to show understanding for differences in world-related outlooks and cultures, keep the patient's well-being in mind, respect medical confidentiality and the rights of the patient. In addition, a graduate of the medical and dental program is ready to take action towards the patient based on the ethical standards and principles, with the awareness of social determinants and limitations resulting from the disease, as well as noticing and recognizing their own limitations, self-assessment of deficits and educational needs. Graduates are ready to promote pro-health behaviors, use objective sources of information, formulate conclusions from their own measurements or observations, implement the principles of professional camaraderie and cooperation in a team of specialists, including representatives of other medical teams. In a multicultural and multinational environment, he or she is able to form an opinion on various aspects of professional activity, taking responsibility for decisions taken in the course of professional activity, including the safety of oneself and others.

Cele kształcenia

1. acquiring the ability to plan and implement preventive, diagnostic and therapeutic procedures on a scientific basis which respects the principles of humanity
2. acquiring the ability to critically assess research results
3. ability to conduct scientific research and to spread their results
4. preparation for cooperation with other health care providers
5. preparation for managing human teams
6. readiness to continue professional education
7. readiness to continue education in doctoral schools and to participate in medical research

Potrzeby społeczno-gospodarcze

Wskazanie potrzeb społeczno-gospodarczych utworzenia kierunku

The statistics of the The Polish Chamber of Physicians and Dentists indicate that in Poland there is a great need for educating reliable dentists who are capable of offering appropriate preventive, diagnostic and therapeutic methods, based

on solid theoretical foundations and the results of the latest research, adapted to the needs of individuals and groups of people. The need for education in a medical and dental program is therefore one of the most urgent needs in the current medical situation in the country.

Wskazanie zgodności efektów uczenia się z potrzebami społeczno-gospodarczymi

Thanks to the implementation of the assumed learning outcomes, graduates of medical and dental studies, in accordance with their knowledge and skills acquired during their studies, are prepared to work in: public and non-public health care institutions; education; research institutions and research and development centers; institutions dealing with counseling and dissemination of knowledge in the field of health-promoting education, which is the answer to the increase in demand for medical services caused by demographic and civilization trends.

Nauka, badania, infrastruktura

Główne kierunki badań naukowych w jednostce

The academic staff at the Faculty of Medicine, which conducts classes in the medical and dental program, participates in the implementation of a number of scientific research and scientific and implementation works in the field of medical and health sciences. Over the last 5 years, the research teams at the Faculty of Medicine participated in the implementation of over 300 interdisciplinary projects financed from the National Science Centre, The National Centre for Research and Development, The Ministry of Health, The Ministry of Science
and Higher Education, international funds (including other EU programs) and several hundred projects from the university's own funds. The employees of the Faculty of Medicine implement projects in the scope of searching for new pathomechanisms and possibilities of personalized diagnosis and therapy of modern-age diseases (e.g. of the cardiovascular system, malignant tumors, diabetes, obesity, neurological and mental diseases, digestive system diseases, diseases related to the aging of society), interdisciplinary issues (e.g. cardiometabolic, cardiooncological, neuroendocrine problems), reproductive health problems and developmental age medicine, and therapeutic applications of regenerative medicine (e.g. the use of stem cells in the treatment of serious diseases). All units involved in the implementation of the curriculum in the medical and dental program, both in the field of pre-clinical sciences and clinical subjects, conduct scientific research in all fields of dentistry. In particular, the projects focus on the prevention of diseases occurring in the oral cavity, improvement of diagnostic methods, treatment techniques and monitoring of treatment results, but also the issues of significant connection between oral cavity health and organism health are widely considered, which is connected with extensive cooperation between companies and universities in Poland and abroad. At present, 28 of the so-called University's own projects are being implemented, which are financed from subsidies for the maintenance and development of research potential.

Związek badań naukowych z dydaktyką

The majority of the employees of the medical and dental program at the Faculty of Medicine combine teaching with scientific work. The knowledge, skills and experience gained by academic teachers as a result of their research and development work are used in the educational process as a basis for modification and modernization of educational content, both in pre-clinical and clinical subjects. There are more than 100 student scientific clubs at the Faculty, at the pre-clinical and clinical units. The students who work there supplement their medical knowledge and learn the methodology of scientific work. The results of their work are presented every year at numerous international scientific conferences. Doctoral students are involved in the implementation of most of the scientific projects of the Faculty's researchers, while students participate in a large number of projects. Doctoral students may apply for funds for research in the JUMC competition, whereas students may apply for Student Grants. Every year, several "diamond grants" financed by the Ministry of Science and Higher Education are held at the Faculty of Medicine.

Opis infrastruktury niezbędnej do prowadzenia kształcenia

The main didactic base for dental students is the University Dental Clinic, which is located in the building at Montelupich Street in Krakow, where the Institute of Dentistry is located. Two wings with preclinical training rooms, two amphitheater lecture halls for 100 seats each, were added to the 19th century building. The facility was designed to be extended to 34 800 m3 of cubic capacity and 4 638 m2 of usable area, and equipped with all the basic installations, compressed air, central vacuum, computer network. The main tasks of the University Dental Clinic include providing health care services in the field of dentistry in connection with the implementation of teaching and research tasks of the Jagiellonian University. This fact puts the Clinic in the position of a healthcare provider, with dental services provided at the highest level of knowledge and skills of medical staff. Experienced specialist doctors and experienced practitioners are employed. Lecture halls are equipped with appropriate equipment, i.e. multimedia projectors, computers. Students have access to the resources of the Medical Library (current headquarters due to renovation of rooms: Grzegórzecka 20 Street) and the resources of the Jagiellonian Library. The Faculty has modern teaching facilities in the form of a high fidelity simulation room, 6 low-fidelity

rooms and rooms for OSCE and technical skill training, as well as quiet study rooms and computer labs. Equipment and infrastructure are constantly updated, supplemented and developed in accordance with the demand resulting from the implementation of the education program. Apart from lecture halls, the Institute of Dentistry is equipped with 3 phantom rooms, each with 22 workstations, adjacent labs, 4 seminar rooms and a library. In the pre-clinical classes, students use phantom rooms to adapt to the work with the future patient, using models of the maxilla and mandible and teeth faithfully reflecting the conditions of the oral cavity. Clinical classes take place in fully equipped clinical rooms of the Institute of Dentistry, where there are also prosthetic and orthodontic laboratories and x-ray laboratory, allowing for diagnostics and treatment of patients.

Program

Podstawowe informacje

Klasyfikacja ISCED:	0912
Liczba semestrów:	10
Tytuł zawodowy nadawany absolwentom:	lekarz dentysta

Opis realizacji programu:

The curriculum of studies at the medical and dental program is based on the didactic and research facilities of the Faculty of Medicine of the Jagiellonian University Medical College in cooperation with external entities, thanks to which it is possible to train practical skills of students in various conditions and environments, which prepares them for later employment in the dental profession. The education program is primarily aimed at developing practical/clinical skills based on a reliable theoretical base and gained experience with patients. All students follow the same program.

Liczba punktów ECTS

konieczna do ukończenia studiów	319
w ramach zajęć prowadzonych z bezpośrednim udziałem nauczycieli akademickich lub innych osób prowadzących zajęcia	196
którą student musi uzyskać w ramach zajęć z zakresu nauki języków obcych	11
którą student musi uzyskać w ramach modułów realizowanych w formie fakultatywnej	8
którą student musi uzyskać w ramach praktyk zawodowych	16
którą student musi uzyskać w ramach zajęć z dziedziny nauk humanistycznych lub nauk społecznych	6

Liczba godzin zajęć

Łączna liczba godzin zajęć: 5225

Praktyki zawodowe

Wymiar, zasady i forma odbywania praktyk zawodowych

As part of the medical and dental studies program, students are required to complete work experience in the amount of 480 teaching hours, which corresponds to 16 ECTS credits. Internships are carried out during the summer holidays (July-August) between the first and fourth year of studies, in hospitals, in outpatient clinics, the University Dental Clinic, dental offices, in the country and abroad. The internships take place within the scope of: health care organization; medical practice on general surgery, internal diseases or maxillofacial surgery; the assisting a dentist, and practice in the dental office. All apprenticeships are supervised by the internship coordinators.

Ukończenie studiów

Wymogi związane z ukończeniem studiów (praca dyplomowa/egzamin dyplomowy/inne)

The condition for graduation from the Medical and Dental Program at the Faculty of Medicine of the Jagiellonian University Medical College is to obtain credit for all subjects and practical training required by the study plan. In accordance with the current teaching standards, the graduate has theoretical and practical skills in prevention and treatment necessary to practice the profession of a doctor of dental surgery.

Efekty uczenia się

Wiedza

Ogólne

In terms of knowledge, the graduate knows and understands:

Kod	Treść	PRK
O.W1	issues in the field of medicine and natural sciences – in the basic scope	P7U_W
O.W2	issues in dentistry – at an advanced level	P7U_W, P7S_WG
O.W3	health education issues	P7U_W
O.W4	the rules of conducting scientific research and spreading their results	P7U_W
O.W5	organization of dentist practice and management principles in healthcare	P7U_W

Szczegółowe

A. Morphological sciences

In terms of knowledge, the graduate knows and understands:

Kod	Treść	PRK
A.W1	human body structures: cells, tissues, organs and systems, with particular emphasis on the stomatognathic system	P7U_W
A.W2	development of organs and the whole organism, with particular emphasis on the masticatory organ	P7U_W
A.W3	human body structure in topographic and functional approach	P7U_W
A.W4	the role of the nervous system in the functioning of individual organs	P7U_W
A.W5	the functional significance of individual organs and their systems	P7U_W
A.W6	anatomical justification for the physical examination	P7U_W

B. Scientific basis for medicine

In terms of knowledge, the graduate knows and understands:

Kod	Treść	PRK
B.W1	the importance of the main and trace elements in the processes occurring in the body, including supply, absorption and transport	P7U_W
B.W2	the importance of electrolytes, buffer systems and chemical reactions in biological systems	P7U_W
B.W3	biochemical foundations of human body integrity	P7U_W
B.W4	structure and functions of important chemical compounds present in the human body, in particular properties, functions, metabolism and energy of reactions of proteins, nucleic acids, carbohydrates, lipids, enzymes and hormones	P7U_W
B.W5	principles of calcium and phosphate management	P7U_W
B.W6	the role and importance of body fluids, including saliva	P7U_W

Kod	Treść	PRK
B.W7	principles of statics and biomechanics in relation to the human body	P7U_W
B.W8	mechanics of the masticatory organ	P7U_W
B.W9	tissue and organ imaging methods and principles of operation of diagnostic devices for this purpose	P7U_W, P7S_WG
B.W10	operating principles of ultrasonic devices	P7U_W
B.W11	principles of photometry and optical fibers and the use of light sources in dentistry	P7U_W, P7S_WG
B.W12	principles of lasers in dentistry	P7U_W, P7S_WG
B.W13	principles of dental equipment operation	P7U_W, P7S_WG
B.W14	basic concepts in the field of biology and ecology	P7U_W
B.W15	interrelationships between organisms in the ecosystem	P7U_W
B.W16	interactions in the parasite-host system	P7U_W
B.W17	selected issues in the field of genetics and molecular biology	P7U_W
B.W18	clinical application of genetics	P7U_W
B.W19	human vital signs	P7U_W
B.W20	neurohormonal regulation of physiological processes	P7U_W
B.W21	principles of acid-base balance and transport of oxygen and carbon dioxide in the body	P7U_W
B.W22	principles of metabolism and nutrition	P7U_W
B.W23	numerical value of basic physiological variables and changes in numerical values	P7U_W

C. Preclinical course

In terms of knowledge, the graduate knows and understands:

Kod	Treść	PRK
C.W1	types and species, as well as the structure of viruses, bacteria, fungi and parasites, their biological properties and pathogenic mechanisms	P7U_W
C.W2	human physiological bacterial flora	P7U_W
C.W3	basics of epidemiology of viral and bacterial infections, fungal and parasitic infections and paths of their spread in the human body	P7U_W
C.W4	species of bacteria, viruses and fungi which are the most common etiological factors of infections	P7U_W, P7S_WG
C.W5	basic principles of disinfection, sterilization and aseptic management	P7U_W, P7S_WG
C.W6	external and internal pathogens	P7U_W
C.W7	structure of the immune system and its role	P7U_W, P7S_WG
C.W8	humoral and cellular mechanisms of innate and acquired immunity, and mechanisms of hypersensitivity reactions and autoimmune processes	P7U_W
C.W9	the phenomenon of drug resistance development	P7U_W
C.W10	basics of immunodiagnostics and immunomodulation	P7U_W
C.W11	pathomechanism of allergic diseases, selected hypersensitivity diseases, autoimmune diseases and immunodeficiencies	P7U_W

Kod	Treść	PRK
C.W12	concepts of homeostasis, adaptation, resistance, resistance, propensity, susceptibility, compensatory mechanisms, feedback and the mechanism of “vicious circle”	P7U_W
C.W13	the concept of health and disease, mechanisms of the formation and development of the disease process at the molecular, cellular, tissue and systemic level, clinical symptoms of the disease, prognosis and complications of the disease	P7U_W
C.W14	mechanisms of inflammation and wound healing	P7U_W
C.W15	basic disorders of hormone secretion regulation, water and electrolyte balance, acid-base balance, kidney and lung function, as well as mechanisms of development and effects of disorders in the cardiovascular system, including shock	P7U_W, P7S_WG
C.W16	diagnostic methods used in pathomorphology and the role of laboratory tests in the prevention and diagnosis of organ and systemic disorders	P7U_W
C.W17	signs of death and post-mortem changes, as well as principles of autopsy technique and autopsy	P7U_W
C.W18	mechanisms of drug action as well as pharmacokinetics and biotransformation of individual drug groups	P7U_W, P7S_WG
C.W19	indications and contraindications for the use of drugs, their dosage, side effects and toxic effects, and drug interactions	P7U_W, P7S_WG
C.W20	principles of therapy for viral, bacterial, fungal and parasitic infections	P7U_W
C.W21	principles of preventing and combating pain and anxiety, as well as pharmacology of drugs used in life-threatening situations	P7U_W, P7S_WG
C.W22	rules for saving selected forms of ready-made and compounded drugs on a prescription	P7U_W
C.W23	dental office equipment and instruments used in dental procedures	P7U_W, P7S_WG
C.W24	definition and classification of basic and auxiliary dental materials	P7U_W, P7S_WG
C.W25	composition, structure, binding method, properties, purpose and use method of dental materials	P7U_W, P7S_WG
C.W26	surface properties of hard tooth tissues and dental biomaterials	P7U_W, P7S_WG
C.W27	the phenomenon of adhesion and mechanisms for the production of adhesive bond, and the procedure for the adhesive preparation of enamel, dentine and dental biomaterials	P7U_W, P7S_WG
C.W28	basic clinical procedures for dental hard tissue reconstruction and endodontic treatment, as well as methods and technical and laboratory procedures for prosthetic restorations	P7U_W, P7S_WG
C.W29	mechanisms of degradation (corrosion) of dental biomaterials in the oral cavity and their impact on the biological properties of materials	P7U_W, P7S_WG
C.W30	mechanisms leading to organ and body pathologies, including infectious, invasive, autoimmune, immunodeficiency, metabolic and genetic diseases	
C.W31	influence of physical, chemical and biological factors. as well as avitaminoses and stress on the patient's body	P7U_W, P7S_WG
C.W32	basic clinical procedures for periodontal prevention	P7U_W, P7S_WG
C.W33	basic clinical procedures for orthodontic prevention	P7U_W

D. Behavioral and social sciences with elements of professionalism

In terms of knowledge, the graduate knows and understands:

Kod	Treść	PRK
D.W1	the current views on the social dimension of health and disease, the impact of the social environment (family, social networks) and social inequalities and socio-cultural differences on health, and the role of social stress in health and self-destructive behaviors;	P7U_W, P7S_WK
D.W2	forms of violence, models explaining domestic and institutional violence, the social determinants of the various forms of violence and the role of the doctor and the dentist in recognizing it	P7U_W, P7S_WK
D.W3	social attitudes towards the importance of health, disease, disability and old age, the social consequences of disease and disability and social and cultural barriers, and the concept of quality of life as determined by the state of health	P7S_WG, P7S_WK
D.W4	the importance of verbal and non-verbal communication in the process of communicating with the patient and the notion of trust in the interaction with the patient	P7U_W
D.W5	functioning of health care system entities and social role of a physician and a dentist	P7U_W, P7S_WK
D.W6	basic psychological mechanisms of human functioning in health and disease	P7U_W
D.W7	patterns of human mental development and the role of the patient's family in the treatment process	P7U_W
D.W8	issues related to the adaptation of patients and their families to disease as a difficult situation and to related events, including dying and family mourning processes	P7U_W
D.W9	mechanisms of coping with stress and its role in the etiopathogenesis and course of diseases	P7U_W
D.W10	mechanisms of addiction to psychoactive substances, as well as treatment goals and methods	P7U_W
D.W11	principles of motivating the patient to health-promoting behaviors and informing about unsuccessful prognosis	P7U_W
D.W12	principles of altruism and clinical responsibility	P7U_W
D.W13	principles of the therapeutic team's functioning	P7U_W
D.W14	the imperative and the behavioral pattern of the doctor and dentist established by the professional self-governing organization of doctors and dentists	P7U_W
D.W15	patient rights	P7S_WG, P7S_WK
D.W16	history of medicine, with particular emphasis on the history of dentistry	P7U_W, P7S_WK
D.W17	the process of shaping new specialties in the field of scientific discipline - medical sciences and achievements of leading representatives of Polish and world medicine	P7U_W

E. General clinical sciences (non-invasive)

In terms of knowledge, the graduate knows and understands:

Kod	Treść	PRK
E.W1	relationship between morphological abnormalities and the function of changed organs and systems, as well as clinical symptoms and possibilities of diagnostics and treatment	P7U_W, P7S_WG
E.W2	basic methods of medical examination and the role of additional examinations in the diagnosis, monitoring, prognosis and prevention of organ and systemic disorders, with particular emphasis on their impact on oral tissues	P7U_W, P7S_WG

Kod	Treść	PRK
E.W3	etiopathogenesis and symptomatology of respiratory, circulatory, hematopoietic, genitourinary, immune, digestive, motor and endocrine glands diseases, with particular regard to disease entities whose symptoms occur in the oral cavity	P7U_W, P7S_WG
E.W4	rules for dealing with victims in multi-organ injuries	P7U_W
E.W5	rules for organizing rescue operations in disasters and failures, stages of rescue operations and the scope of assistance to victims	P7U_W
E.W6	neurological effects of chronic drug use	P7U_W
E.W7	symptoms of acute abdominal diseases, intoxication, infection and sepsis	P7U_W
E.W8	symptoms of hepatitis, HIV infection and acquired immune deficiency syndrome (AIDS) in infectious and parasitic diseases	P7U_W
E.W9	principles of immunization against infectious diseases in children and adults	P7U_W
E.W10	hormonal determinants of a woman's body in specific periods of life	P7U_W
E.W11	influence of nutrition in pregnancy and addiction of a pregnant woman on fetal development	P7U_W
E.W12	principles of dental care for a pregnant woman	P7U_W
E.W13	diagnostic principles of eye diseases, including eye injuries	P7U_W
E.W14	the role of focus-related infections in eye diseases	P7U_W
E.W15	methods of cytological diagnostics and cytodiagnostic criteria for diagnosis and differentiation of cancer and non-cancer diseases	P7U_W
E.W16	immunological aspects of transplantation and blood therapy	P7U_W
E.W17	causes and mechanisms of cardiac and respiratory arrest as well as principles of resuscitation and post-resuscitation procedures	P7U_W, P7S_WG
E.W18	life-threatening conditions	P7U_W, P7S_WG
E.W19	methods used in medical rehabilitation, its goals and planning methodology	P7U_W
E.W20	cases in which the patient should be referred to the hospital	P7U_W

F. Clinical curriculum-oriented (invasive) sciences

In terms of knowledge, the graduate knows and understands:

Kod	Treść	PRK
F.W1	occlusal normal conditions at various stages of individual development and deviations from norms	P7U_W, P7S_WG
F.W2	principles of preventive and therapeutic management in diseases of the masticatory organ in various periods of development	P7U_W
F.W3	viral, bacterial and fungal flora of the oral cavity and its importance	P7U_W, P7S_WG
F.W4	symptoms, course and procedures in specific diseases of the mouth, head and neck, taking into account age groups	P7U_W, P7S_WG
F.W5	rules of conduct in the case of pulp and mineralized dental tissues, as well as trauma to the teeth and bones of the face	P7U_W, P7S_WG
F.W6	rules for management of periapical tissue diseases	P7U_W, P7S_WG
F.W7	morphology of dental chambers and principles of endodontic treatment and instruments used in this treatment	P7U_W, P7S_WG

Kod	Treść	PRK
F.W8	rules for dealing with cysts, precancerous conditions, and head and neck cancers	P7U_W, P7S_WG
F.W9	diagnostics and methods of treatment of periodontal and oral mucosa diseases	P7U_W, P7S_WG
F.W10	indications and contraindications for treatment using dental implants	P7U_W, P7S_WG
F.W11	indications and contraindications for performing procedures in the field of cosmetic dentistry	P7U_W, P7S_WG
F.W12	causes of complications of stomatognathic system diseases and rules of conduct in case of such complications	P7U_W, P7S_WG
F.W13	basics of antibiotic therapy and antibiotic resistance	P7U_W, P7S_WG
F.W14	methods of rehabilitation of the masticatory organ	P7U_W, P7S_WG
F.W15	therapeutic methods of reducing and enduring pain as well as reducing anxiety and stress	P7U_W, P7S_WG
F.W16	principles of anesthesia in dental procedures and basic pharmacological agents	P7U_W
F.W17	principles of construction and operation of mobile and fixed orthodontic appliances	P7U_W
F.W18	principles of radiological diagnosis	P7U_W
F.W19	pathomechanism of the impact of oral diseases on general health	P7U_W
F.W20	pathomechanism of the effects of general diseases or therapies on the oral cavity	P7U_W, P7S_WG
F.W21	prevention of oral diseases	P7U_W, P7S_WG
F.W22	rules for dealing with masticatory organ tissue diseases, injuries to teeth and jawbones	P7U_W, P7S_WG
F.W23	the specificity of dental care for a patient suffering from a general disease and the principles of cooperation with a doctor treating the underlying disease	P7U_W, P7S_WG

G. Legal and organizational basis for medicine

In terms of knowledge, the graduate knows and understands:

Kod	Treść	PRK
G.W1	the concept of public health and the objectives, tasks and structure of the health system	P7U_W, P7S_WK
G.W2	health promotion concepts and models	P7U_W, P7S_WK
G.W3	basic concepts of prevention, health promotion and environmental hygiene	P7U_W
G.W4	basic concepts related to health, lifestyle and health of the population	P7U_W, P7S_WK
G.W5	methods for determining the health needs of society	P7U_W, P7S_WK
G.W6	health situation in the Republic of Poland and the world	P7U_W, P7S_WK
G.W7	strategy of health and social policy of the Republic of Poland and the European Union	P7U_W, P7S_WK
G.W8	organizational and legal aspects of the functioning of the Polish healthcare system	P7U_W, P7S_WK
G.W9	principles of managing medical entities	P7U_W, P7S_WK
G.W10	principles of functioning, management and computerization of medicinal entities and other public health institutions	P7U_W, P7S_WK
G.W11	principles of functioning of primary healthcare	P7U_W, P7S_WK
G.W12	rules for negotiating and concluding contracts for the provision of health services in the public and private sectors	P7U_W, P7S_WK

Kod	Treść	PRK
G.W13	etiology of occupational diseases specified in legal regulations, including those related to the profession of a dentist	P7S_WG, P7S_WK
G.W14	indicators of the state of health of the population and the principles of their assessment	P7U_W
G.W15	principles of disease prevention and improvement of health condition	P7U_W
G.W16	principles of epidemiological development of an infectious disease outbreak	P7U_W
G.W17	principles of planning and evaluation of preventive actions	P7U_W
G.W18	principles of ergonomic organization of work in the dental office and carrying out dental procedures	P7U_W
G.W19	principles of occupational health and safety in dentistry	P7U_W
G.W20	rules of conduct in the event of an epidemiological threat	P7U_W
G.W21	sources of stress and possibilities of their elimination	P7U_W
G.W22	the principles of professional liability of a dentist (moral, ethical, legal, material and professional), as well as the dentist's obligations towards the patient	P7U_W, P7S_WK
G.W23	problems of medical error: diagnostic, technical, therapeutic and organizational	P7U_W
G.W24	principles of liability for violation of the rules of practicing the profession of a dentist	P7U_W
G.W25	legal basics of communication in medicine	P7U_W, P7S_WK
G.W26	patient rights	P7S_WG, P7S_WK
G.W27	principles of medical ethics and deontology, ethical dilemmas of modern medicine resulting from the dynamic development of biomedical science and technologies, as well as the principles of ethical conduct of a dentist	P7U_W
G.W28	legal basis for the functioning of the medical professions and the professional self-government of doctors and dentists in the Republic of Poland	P7U_W
G.W29	legal regulations regarding conducting healthcare activities	P7S_WG, P7S_WK
G.W30	basic duties of the employee and employer	P7U_W
G.W31	rules for providing benefits in the event of sickness, maternity, accidents at work and occupational diseases	P7U_W
G.W32	rules for deciding on temporary inability to work, inability to work for disability purposes, as well as disability	P7U_W
G.W33	rules of dealing with corpses	P7U_W
G.W34	rules for keeping, storing and sharing medical records and protecting personal data	P7U_W
G.W35	issues related to serology and medical and forensic genetics	P7U_W
G.W36	basics of medical and forensic toxicology	P7U_W
G.W37	the rules for drawing up expert opinions in criminal matters	P7S_WG, P7S_WK
G.W38	forensic aspects of human ethology	P7U_W

Umiejętności

Ogólne

In terms of skills, the graduate can:

Kod	Treść	PRK
O.U1	carry out diagnostics of the most common diseases, assess and describe the patient's somatic and mental state	P7U_U
O.U2	provide professional dental care in the field of prevention, treatment, health promotion and health education	P7U_U
O.U3	plan treatment for dental problems	P7U_U
O.U4	conduct clinical proceedings based on knowledge and respecting the principles of humanitarianism	P7U_U
O.U5	plan own learning activities and constantly learn in order to update own knowledge	P7U_U
O.U6	inspire the learning process of others	P7S_UU
O.U7	communicate with the patient and his family in an atmosphere of trust, taking into account the needs of the patient	P7U_U
O.U8	communicate and share knowledge with colleagues in a team	P7S_UO
O.U9	critically evaluate the results of scientific research and adequately justify the position	P7U_U

Szczegółowe

A. Morphological sciences

In terms of skills, the graduate can:

Kod	Treść	PRK
A.U1	interpret anatomical relations illustrated by basic diagnostic methods in radiology (plain scans and scans after contrast agent administration)	P7U_U
A.U2	operate the microscope, including the use of immersion, and recognize the histological structure of organs and tissues under the microscope, as well as describe and interpret the microscopic structure of cells, tissues and organs and their functions	P7U_U

B. Scientific basis for medicine

In terms of skills, the graduate can:

Kod	Treść	PRK
B.U1	relate chemical phenomena to oral cavity processes	P7S_UW
B.U2	interpret physical phenomena occurring in the masticatory organ	P7S_UW
B.U3	use the physical processes appropriate to the work of a dentist	P7S_UW
B.U4	use biological and ecological concepts in the context of human - living environment	P7S_UW
B.U5	apply knowledge of genetics and molecular biology in clinical work	P7S_UW

C. Preclinical course

In terms of skills, the graduate can:

Kod	Treść	PRK
C.U1	take an appropriately selected type of biological material for microbiological examination depending on the location and course of the infection	P7S_UW
C.U2	interpret the results of microbiological, serological and antibiogram tests	P7S_UW
C.U3	select and perform appropriate tests indicating the number of bacteria in body fluids	P7S_UW
C.U4	predict and explain the complex pathomechanisms of disorders leading to the emergence of diseases	P7S_UW
C.U5	analyze the clinical course of diseases in pathological processes	P7S_UW
C.U6	identify pathological changes in cells, tissues and organs with regard to circulatory disorders, retrograde changes, progressive changes and inflammations	P7S_UW
C.U7	identify pathological changes caused by HIV infection and observed in patients with acquired immune deficiency syndrome (AIDS)	P7S_UW
C.U8	select drugs in appropriate doses and prescribe drugs as indicated	P7S_UW
C.U9	carry out endodontic treatment and reconstruct missing mineralised tissues in phantom teeth	P7S_UW
C.U10	apply adhesive techniques	P7S_UW
C.U11	select restorative, prosthetic and connective biomaterials based on material properties and clinical conditions	P7S_UW
C.U12	map anatomic occlusal conditions and analyze occlusion	P7S_UW
C.U13	design prosthetic restorations in accordance with the principles of their laboratory performance	P7S_UW
C.U14	determine pathological changes of cells, tissues and organs according to basic mechanisms	
C.U15	plan the basic stages of preventive care in patients in the area of periodontological needs	P7S_UW
C.U16	plan the basic stages of preventive care in patients in the area of orthodontic needs	P7S_UW

D. Behavioral and social sciences with elements of professionalism

In terms of skills, the graduate can:

Kod	Treść	PRK
D.U1	take into account the subjective needs and expectations of the patient resulting from socio-cultural conditions in the process of therapeutic management	P7S_UW
D.U2	recognize and respond to signs of anti-health and self-destructive behavior	P7S_UW
D.U3	choose treatment that minimizes the social consequences for the patient	P7S_UW
D.U4	build an atmosphere of trust throughout the entire diagnostic and treatment process	P7S_UW
D.U5	take action to improve the quality of life of patients and prevent it from deteriorating in the future	P7S_UW
D.U6	talk to the adult patient, child and family using active listening and empathy techniques	P7S_UW
D.U7	identify risk factors for violence, recognize violence and respond accordingly	P7S_UW

Kod	Treść	PRK
D.U8	apply basic psychological motivational and supportive interventions	P7S_UW
D.U9	recognize the premises for taking medical action without the patient's consent or with the use of coercion towards the patient and apply the measures provided for in the generally applicable law	P7S_UW
D.U10	work in a multidisciplinary team, in a multicultural and multinational environment	P7U_U, P7S_UO
D.U11	comply with ethical standards in professional activities	P7U_U
D.U12	respect the rights of the patient	P7U_U
D.U13	use and process information using IT tools and modern sources of medical knowledge	P7U_U
D.U14	plan the work of the dental team and the equipment of the dental office in accordance with the principles of ergonomics and safety at work	P7U_U, P7S_UO
D.U15	communicate with the patient in one of the foreign languages at B2+ level of the Common European Framework of Reference for Languages	
D.U16	critically analyse medical literature, including in English, and draw conclusions	

E. General clinical sciences (non-invasive)

In terms of skills, the graduate can:

Kod	Treść	PRK
E.U1	perform differential diagnosis of the most common diseases of adults	P7U_U, P7S_UW
E.U2	evaluate and describe the somatic and mental state of the patient	P7U_U
E.U3	plan diagnostic and therapeutic procedures for the most common adult diseases	P7U_U, P7S_UW
E.U4	interpret the results of laboratory tests	P7U_U
E.U5	identify normal and pathological structures and organs in additional imaging tests (X-ray, ultrasound, computed tomography - CT)	P7U_U, P7S_UW
E.U6	plan the management of exposure to blood-borne infections	P7U_U
E.U7	qualify the patient for vaccination	P7U_U, P7S_UW
E.U8	recognize the risk of life threat	P7U_U
E.U9	describe and recognise signs of shock and acute circulatory failure	P7U_U, P7S_UW
E.U10	recognize the symptoms of brain injuries and cerebrovascular diseases, dementia and consciousness disorders	P7U_U, P7S_UW
E.U11	diagnose headaches, facial pains and neurological diseases of adults and children causing problems in dental practice	P7U_U
E.U12	recognize nasopharyngeal diseases, their etiology and pathomechanism	P7U_U, P7S_UW
E.U13	provide preliminary diagnosis of neoplastic lesions in the nose, throat and larynx	P7U_U, P7S_UW
E.U14	diagnose and treat skin diseases: infectious, allergic and sexually transmitted	P7U_U
E.U15	recognize skin cancers and precancerous conditions	P7U_U
E.U16	recognise dermatoses and collagenoses with symptoms in the oral mucosa	P7U_U, P7S_UW
E.U17	recognize diseases related to smoking addiction, alcoholism and other addictions	P7U_U
E.U18	diagnose diseases with enlarged lymph nodes of the neck and submandibular area and infectious diseases, with particular emphasis on lesions within the oral cavity	P7U_U, P7S_UW

Kod	Treść	PRK
E.U19	discuss and diagnose selected diseases of the optical and protective system of the eye	P7U_U, P7S_UW
E.U20	perform basic medical procedures and procedures: temperature measurement, pulse measurement, non-invasive blood pressure measurement, oxygen therapy, assisted and substitute ventilation, placement of a oropharyngeal tube, preparation of the surgical field, hygienic and surgical hand disinfection, intravenous, intramuscular and subcutaneous injection, peripheral venous blood collection, collecting nasal, pharyngeal and dermal swabs, simple strip tests, measurement of blood glucose levels	P7U_U

F. Clinical curriculum-oriented (invasive) sciences

In terms of skills, the graduate can:

Kod	Treść	PRK
F.U1	carry out a medical interview with the patient and his or her family	P7U_U
F.U2	carry out a dental physical examination of the patient	P7U_U
F.U3	explain the nature of his or her ailment to the patient, determine the method of treatment confirmed by the patient's informed consent and prognosis	P7U_U, P7S_UW
F.U4	provide the patient or his or her family with information about unfavorable prognosis	P7U_U
F.U5	collect and secure specimens for diagnostic tests, including cytological tests	P7U_U, P7S_UW
F.U6	interpret the results of additional tests and consultations	P7U_U
F.U7	determine the indications and contraindications for performing a specific dental procedure	P7U_U, P7S_UW
F.U8	conduct treatment of acute and chronic, odontogenic and non-odontogenic inflammatory processes of soft tissues of the oral cavity, periodontium and jaw bones	P7U_U
F.U9	proceed in case of general and local complications during and after dental procedures	P7U_U, P7S_UW
F.U10	prescribe medicines, taking into account their interactions and side-effects	P7U_U, P7S_UW
F.U11	keep patient records on ongoing basis, provide referrals for examination or specialist treatment in dental and general medicine	P7U_U
F.U12	formulate research problems in the field of dentistry	P7U_U, P7S_UW
F.U13	present selected medical problems in oral or written form in a manner appropriate to the level of recipients	P7U_U
F.U14	assess the risk of caries using bacteriological tests and saliva tests	P7U_U, P7S_UW
F.U15	determine the treatment of diseases of tissues of the stomatognathic system	P7U_U
F.U16	take appropriate medication during and after the dental procedure to relieve pain and anxiety	P7U_U
F.U17	diagnose and treat periodontal disease in the basic range	P7U_U, P7S_UW
F.U18	diagnose, differentiate and classify malocclusions	P7U_U, P7S_UW
F.U19	provide assistance in the event of damage to the orthodontic appliance	P7U_U
F.U20	make simple orthodontic appliances	P7U_U, P7S_UW
F.U21	carry out treatment to prevent malocclusion during the period of deciduous teeth and early replacement of teeth	P7U_U

Kod	Treść	PRK
F.U22	carry out prosthetic rehabilitation in simple cases in the field of clinical and laboratory procedures	P7U_U, P7S_UW
F.U23	describe dental and pantomographic images	P7U_U

G. Legal and organizational basis for medicine

In terms of skills, the graduate can:

Kod	Treść	PRK
G.U1	analyze population health data, epidemiological data and determine population health status based on it	P7U_U, P7S_UW
G.U2	describe selected health phenomena on a population scale and forecast their impact on healthcare functioning	P7U_U
G.U3	assess the scale of health problems and indicate health priorities and determine their importance in health policy	P7U_U
G.U4	analyze the determinants of the epidemiological situation in the aspect of social and demographic processes	P7U_U, P7S_UW
G.U5	create simple research programs in the field of prevention and treatment	P7U_U
G.U6	identify factors affecting the state's health policy	P7U_U
G.U7	plan prevention and health promotion activities and implement promotional activities on population health	P7U_U, P7S_UW
G.U8	analyze various systems of financing health services in the Republic of Poland and other countries	P7U_U, P7S_UW
G.U9	prepare competition offers related to the provision of health services	P7U_U, P7S_UW
G.U10	organize and run a dental office	P7U_U, P7S_UW
G.U11	work in a team and lead a team in a dental office	P7S_UO
G.U12	identify harmful and burdensome factors in the workplace, at home or in education	P7U_U
G.U13	assess the level of health risks arising from the state of air, water, soil and food quality	P7U_U, P7S_UW
G.U14	confirm or exclude the relationship of environmental factors with the etiology of the disease, including occupational disease	P7U_U
G.U15	provide the patient with necessary information on oral health promotion	P7U_U
G.U16	provide the patient with information on risk factors and methods of preventing the most frequent social diseases in the Republic of Poland	P7U_U
G.U17	interpret basic epidemiological indicators, define and evaluate the reliability and relevance of screening tests	P7U_U
G.U18	design epidemiological studies	P7U_U, P7S_UW
G.U19	carry out an epidemiological inquiry	P7U_U
G.U20	work in accordance with the principles of ergonomic work organization	P7U_U
G.U21	apply sanitary and epidemiological regulations as well as health and safety at work	P7U_U
G.U22	operate in conditions of uncertainty and stress	P7U_U
G.U23	identify similarities and differences between ethical and legal standards	P7U_U, P7S_UW
G.U24	apply the legal provisions relating to the pursuit of the profession of a dentist	P7U_U

Kod	Treść	PRK
G.U25	explain and apply the standards contained in the Code of Medical Ethics and international standards of medical ethics	P7U_U
G.U26	keep medical records	P7U_U
G.U27	issue medical certificates	P7U_U
G.U28	evaluate posthumous changes	P7U_U, P7S_UW
G.U29	identify corpses on the basis of a dental examination	P7U_U
G.U30	assess the consequences of facial and cranial injuries and qualify them in criminal and civil proceedings	P7U_U

Kompetencje społeczne

Ogólne

Within the scope of competence, the graduate is ready to:

Kod	Treść	PRK
O.K1	to establish and maintain deep and respectful contact with patients and to show understanding for differences in world views and cultures	P7U_K, P7S_KR
O.K2	to be guided by the well-being of a patient	P7S_KO, P7S_KR
O.K3	respect medical confidentiality and patients' rights	P7S_KO, P7S_KR
O.K4	take actions towards the patient on the basis of ethical norms and principles, with an awareness of the social determinants and limitations of the disease	P7U_K, P7S_KR
O.K5	perceive and recognize own limitations, self-assess educational deficits and needs	P7S_KO, P7S_KR
O.K6	promote health-promoting behaviors	P7S_KO, P7S_KR
O.K7	use objective sources of information	P7S_KO, P7S_KR
O.K8	formulate conclusions from own measurements or observations	P7S_KK
O.K9	implement the principles of professional camaraderie and cooperation in a team of specialists, including representatives of other medical professions, also in a multicultural and multinational environment	P7S_KO, P7S_KR
O.K10	formulate opinions on the various aspects of the professional activity	P7S_KK
O.K11	assume responsibility for decisions taken in the course of their professional activities, including in terms of the safety of oneself and others.	P7S_KO, P7S_KR

Plany studiów

It is necessary to choose 1 elective subject from each group – total 4 electives (one during each year). A student must obtain 8 ECTS during studies.

Semestr 1

Przedmiot	Grupa standardu	Liczba godzin	Punkty ECTS	Forma weryfikacji		
Physical Education	A	classes / practicals: 30	-	-	O	Os
Anatomy with embryology and basics of genetics	A	lecture: 33 classes / practicals: 75	-	-	O	Os
Histology with Cytophysiology	A	lecture: 8 classes / practicals: 20 e-learning: 12	-	-	O	Os
Medical Polish	D	classes / practicals: 30	-	-	O	Or
Computer science and medical statistics	C	classes / practicals: 20	1,0	credit	O	Or
Propedeutics of medicine and dentistry	E	lecture: 14 classes / practicals: 12 seminar: 4	3,0	graded credit	O	Os
History of medicine and dentistry	D	seminar: 11 e-learning: 14	2,0	examination	O	Os
Philosophy	D	seminar: 15	1,0	credit	O	Os
Health and Safety		Health and Safety training: 5	-	credit	O	Os
HUMANITIES AND BEHAVIORAL SCIENCES	D				O	Os
Suffering, death and the phenomenon of care in the perspective of transcultural bioethics	D	seminar: 30	2,0	graded credit	F	Os
Aesthetics, art, medicine	D	seminar: 30	2,0	graded credit	F	Os

Semestr 2

Przedmiot	Grupa standardu	Liczba godzin	Punkty ECTS	Forma weryfikacji		
Physical Education	A	classes / practicals: 30	-	credit	O	Os
Anatomy with embryology and basics of genetics	A	lecture: 32 classes / practicals: 74	22,0	examination	O	Os
Histology with Cytophysiology	A	lecture: 20 classes / practicals: 32 e-learning: 10	12,0	examination	O	Os

Przedmiot	Grupa standardu	Liczba godzin	Punkty ECTS	Forma weryfikacji		
Medical Polish	D	classes / practicals: 30	3,0	credit	O	Or
First aid and elements of nursing	F	e-learning: 10 simulations: 20	2,0	graded credit	O	Os
Hygiene	G	classes / practicals: 26	2,0	graded credit	O	Os
Dental prophylaxis	F	lecture: 5 seminar: 12 simulations: 28	3,0	graded credit	O	Os
Dental Materials and Equipment	C	lecture: 10 simulations: 20	3,0	credit	O	Or
Health care organization – summer clerkship		professional practice: 60	2,0	credit	O	Os
Medical practice in general surgery, internal diseases or maxillofacial surgery - summer internship		professional practice: 60	2,0	credit	O	Os
HUMANITIES AND BEHAVIORAL SCIENCES	D				O	Os
Suffering, death and the phenomenon of care in the perspective of transcultural bioethics	D	seminar: 30	2,0	graded credit	F	Os
Aesthetics, art, medicine	D	seminar: 30	2,0	graded credit	F	Os
Philosophy of medicine - an outline of the issues	D	seminar: 30	2,0	graded credit	F	Os
Philosophical aspects of the concept of mental disorder in the thoughts of V. Frankl and A. Kępiński	D	seminar: 30	2,0	graded credit	F	Os
The main problems of human philosophy	D	seminar: 30	2,0	graded credit	F	Os
Medicine of the Third Reich	D	lecture: 30	2,0	graded credit	F	Os
Death and dying in different cultures	D	seminar: 30	2,0	graded credit	F	Os
Axiological concept of man	D	seminar: 30	2,0	graded credit	F	Os
Introduction to the philosophy of science	D	seminar: 30	2,0	graded credit	F	Os
Medical history and culture	D	lecture: 30	2,0	graded credit	F	Os

Semestr 3

Przedmiot	Grupa standardu	Liczba godzin	Punkty ECTS	Forma weryfikacji		
Biochemistry with Elements of Chemistry	B	lecture: 24 classes / practicals: 18 seminar: 23	-	-	O	Os

Przedmiot	Grupa standardu	Liczba godzin	Punkty ECTS	Forma weryfikacji		
Human physiology	B	lecture: 54 classes / practicals: 26	-	-	O	Os
Preclinical Comprehensive Dentistry	F	lecture: 8 seminar: 14 simulations: 56	-	-	O	Or
Medical Polish	D	classes / practicals: 30	-	-	O	Or
Medical Biophysics	B	classes / practicals: 36 seminar: 12	3,0	examination	O	Os
Medical Psychology	D	classes / practicals: 45	3,0	graded credit	O	Os
Sociology of medicine in dentistry	D	classes / practicals: 20	1,0	graded credit	O	Os
Epidemiology and environmental medicine	G	classes / practicals: 30	2,0	graded credit	O	Os
Dental Materials and Equipment	C	lecture: 10 seminar: 20	3,0	examination	O	Os
SCIENTIFIC FOUNDATION OF MEDICINE	B				O	Os
Medical cytobiology	B	lecture: 30	2,0	graded credit	F	Os
Neurobiology	B	lecture: 30	2,0	graded credit	F	Os

Semestr 4

Przedmiot	Grupa standardu	Liczba godzin	Punkty ECTS	Forma weryfikacji		
Biochemistry with Elements of Chemistry	B	lecture: 24 classes / practicals: 18 seminar: 23	9,0	examination	O	Os
Human physiology	B	lecture: 54 classes / practicals: 26	12,0	examination	O	Os
Preclinical Comprehensive Dentistry	F	lecture: 8 seminar: 14 simulations: 55	13,0	graded credit	O	Or
Medical Polish	D	classes / practicals: 30	3,0	credit	O	Or
Immunology	E	lecture: 4 classes / practicals: 15 seminar: 6	2,0	graded credit	O	Os
General radiology	F	lecture: 8 classes / practicals: 7	1,0	credit	O	Os
Dental occlusion and function of the jaw	E	lecture: 6 classes / practicals: 24 seminar: 8	3,0	examination	O	Os
Practice in the field of assisting a dentist - summer clerkship		professional practice: 120	4,0	credit	O	Os
SCIENTIFIC FOUNDATION OF MEDICINE	B				O	Os

Przedmiot	Grupa standardu	Liczba godzin	Punkty ECTS	Forma weryfikacji		
Basics of medical imaging	B	lecture: 30	2,0	graded credit	F	Os

Semestr 5

Przedmiot	Grupa standardu	Liczba godzin	Punkty ECTS	Forma weryfikacji		
Pathology	C	lecture: 15 classes / practicals: 58	-	-	O	Os
Pharmacology with elements of clinical pharmacology	F, C	lecture: 18 classes / practicals: 27 seminar: 6	-	-	O	Os
Internal diseases with physiotherapy and rehabilitation	E	lecture: 15 clinical classes: 61	-	-	O	Os
Conservative dentistry with endodontics	F	lecture: 5 seminar: 5 clinical classes: 55	-	-	O	Or
Medical Polish	D	classes / practicals: 30	-	-	O	Or
Anesthesiology and resuscitation	F	lecture: 10 simulations: 20	2,0	graded credit	O	Os
General surgery with oncology	E	lecture: 12 clinical classes: 44	3,0	examination	O	Os
Microbiology and oral cavity microbiology with mycology	F, C	classes / practicals: 36 seminar: 9	3,0	examination	O	Os
Preclinical Comprehensive Dentistry	F	lecture: 10 seminar: 5 simulations: 50	6,0	examination	O	Os
Physiology of pregnancy	E	lecture: 5 clinical classes: 10	1,0	credit	O	Os
Bioethics	D	seminar: 10	1,0	credit	O	Os
PRECLINICAL SCIENCES	C				O	Os
Environmental and nutritional determinants of health	C	seminar: 30	2,0	graded credit	F	Os
Borderline problems of human existence: suicide, assisted suicide, euthanasia	C	seminar: 30	2,0	graded credit	F	Os
Therapeutic contact with the patient	C	classes / practicals: 30	2,0	graded credit	F	Os

Semestr 6

Przedmiot	Grupa standardu	Liczba godzin	Punkty ECTS	Forma weryfikacji		
Pathology	C	lecture: 15 classes / practicals: 57	9,0	examination	O	Os
Pharmacology with elements of clinical pharmacology	F, C	lecture: 18 classes / practicals: 27 seminar: 6	6,0	examination	O	Os
Internal diseases with physiotherapy and rehabilitation	E	lecture: 14 clinical classes: 60	6,0	examination	O	Os
Conservative dentistry with endodontics	F	lecture: 5 seminar: 5 clinical classes: 55	9,0	graded credit	O	Or
Medical Polish	D	classes / practicals: 30	3,0	credit	O	Or
Dental radiology	F	lecture: 10 seminar: 18 clinical classes: 22	3,0	examination	O	Os
Oral cavity biochemistry	F	lecture: 12 classes / practicals: 12 seminar: 6	2,0	graded credit	O	Os
Computer science and medical statistics	C	classes / practicals: 25	1,0	graded credit	O	Or
Propedeutics of oral surgery	F	lecture: 10 simulations: 40	3,0	graded credit	O	Os
Medical rescue	E	lecture: 7 seminar: 2 simulations: 6	1,0	graded credit	O	Os
Medical law	G	lecture: 8	1,0	credit	O	Os
Dental practice in a dental office - summer clerkship		professional practice: 120	4,0	credit	O	Os
PRECLINICAL SCIENCES	C				O	Os
Methodology of scientific research in medicine	C	seminar: 30	2,0	graded credit	F	Os
Stem cell transplantation with application in regenerative medicine	C	lecture: 30	2,0	graded credit	F	Os
Therapeutic contact with the patient	C	classes / practicals: 30	2,0	graded credit	F	Os

Semestr 7

Przedmiot	Grupa standardu	Liczba godzin	Punkty ECTS	Forma weryfikacji		
Periodontal and oral mucosa diseases	F	seminar: 11 clinical classes: 62	-	-	O	Or
Conservative dentistry with endodontics	F	lecture: 3 seminar: 8 clinical classes: 62	-	-	O	Or

Przedmiot	Grupa standardu	Liczba godzin	Punkty ECTS	Forma weryfikacji		
Oral surgery	F	lecture: 3 classes / practicals: 52 seminar: 5	-	-	O	Or
Prosthodontics	F	lecture: 5 seminar: 12 clinical classes: 70	-	-	O	Or
Pediatrics	E	lecture: 14 seminar: 6 clinical classes: 40	3,0	examination	O	Os
Basics of psychiatry	E	classes / practicals: 10 seminar: 5	1,0	graded credit	O	Os
Forensic Medicine	G	lecture: 10 seminar: 5	1,0	credit	O	Os
Disaster medicine and emergency medicine	E	lecture: 10 seminar: 10 simulations: 10	2,0	credit	O	Os
Orthodontics	F	lecture: 6 seminar: 12 clinical classes: 60	5,0	graded credit	O	Or
Pediatric dentistry	F	seminar: 12 clinical classes: 104	4,0	graded credit	O	Or
Medical Polish	D	classes / practicals: 30	2,0	examination	O	Os
SURGICAL CLINICAL SCIENCES	F				O	Os
Endodontic treatment using a surgical microscope	F	lecture: 6 seminar: 6 clinical classes: 18	2,0	graded credit	F	Os
Machine systems in endodontic treatment	F	seminar: 30	2,0	graded credit	F	Os
Emergencies in dental practice	F	lecture: 6 classes / practicals: 24	2,0	graded credit	F	Os

Semestr 8

Przedmiot	Grupa standardu	Liczba godzin	Punkty ECTS	Forma weryfikacji		
Periodontal and oral mucosa diseases	F	seminar: 10 clinical classes: 62	8,0	graded credit	O	Or
Conservative dentistry with endodontics	F	lecture: 3 seminar: 7 clinical classes: 62	8,0	graded credit	O	Or
Oral surgery	F	lecture: 3 classes / practicals: 52 seminar: 5	6,0	graded credit	O	Or
Prosthodontics	F	lecture: 5 seminar: 12 clinical classes: 70	8,0	graded credit	O	Or

Przedmiot	Grupa standardu	Liczba godzin	Punkty ECTS	Forma weryfikacji		
Dermatology with venereology and allergology in dentistry	E	lecture: 14 clinical classes: 26	2,0	examination	O	Os
Infectious Diseases	E	lecture: 10 seminar: 10 clinical classes: 10	2,0	examination	O	Os
Sensory organ diseases with elements of neurology	E	lecture: 10 seminar: 20 clinical classes: 50	3,0	examination	O	Os
Maxillofacial surgery	F	lecture: 12 clinical classes: 55	3,0	graded credit	O	Or
Clinical and experimental dentistry	F	seminar: 30	2,0	credit	O	Os
Dental practice in a dental office - summer clerkship		professional practice: 120	4,0	credit	O	Os
SURGICAL CLINICAL SCIENCES	F				O	Os
Endodontic treatment using a surgical microscope	F	lecture: 6 seminar: 6 clinical classes: 18	2,0	graded credit	F	Os
Type and incidence of lesions on oral mucosa in elderly patients	F	clinical classes: 30	2,0	graded credit	F	Os
Emergencies in dental practice	F	lecture: 6 classes / practicals: 24	2,0	graded credit	F	Os

Semestr 9

Przedmiot	Grupa standardu	Liczba godzin	Punkty ECTS	Forma weryfikacji		
Conservative dentistry with endodontics		seminar: 10 e-learning: 3 clinical classes: 73	-	-	O	Os
Pediatric dentistry		seminar: 9 clinical classes: 45	-	-	O	Os
Oral surgery		lecture: 5 seminar: 8 clinical classes: 58	-	-	O	Os
Prosthodontics		lecture: 5 seminar: 7 clinical classes: 73	-	-	O	Os
Periodontal and oral mucosa diseases		seminar: 13 clinical classes: 48	-	-	O	Os
Orthodontics		lecture: 5 seminar: 9 clinical classes: 48	-	-	O	Os
Integrated dentistry of developmental age		clinical classes: 20	-	-	O	Os
Maxillofacial surgery		clinical classes: 55	-	-	O	Os
Gerostomatology		clinical classes: 45	3,0	graded credit	O	Os

Semestr 10

Przedmiot	Grupa standardu	Liczba godzin	Punkty ECTS	Forma weryfikacji		
Conservative dentistry with endodontics		seminar: 10 e-learning: 3 clinical classes: 72	11,0	examination	O	Os
Pediatric dentistry		seminar: 9 clinical classes: 45	7,0	examination	O	Os
Oral surgery		lecture: 5 seminar: 7 clinical classes: 57	8,0	examination	O	Os
Prosthodontics		lecture: 5 seminar: 7 clinical classes: 72	11,0	examination	O	Os
Periodontal and oral mucosa diseases		seminar: 12 clinical classes: 47	7,0	examination	O	Os
Orthodontics		lecture: 5 seminar: 9 clinical classes: 47	8,0	examination	O	Os
Integrated dentistry of developmental age		clinical classes: 20	3,0	graded credit	O	Os
Maxillofacial surgery		clinical classes: 5	4,0	examination	O	Os
Integrated dentistry of adults		clinical classes: 70	4,0	graded credit	O	Os

O - obligatory
F - elective
Or - obligatory for passing a year
Os - obligatory for passing in the course of studies