



Syllabus for academic year: 2020/2021														
Training cycle: 2017-2021														
Description of the course														
Module/Course	Internal diseases								Group of detailed education results					
									Group code E	Group name Non-surgical clinical sciences				
Faculty	Dentistry													
Major	Dentistry													
Unit realizing the subject	Dept. of Nephrology and Transplantation Medicine, Department and Clinic of Angiology, Hypertension and Diabetology, Department of Heart Diseases, Department and Clinic of Internal, Occupational Diseases, Hypertension and Clinical Oncology													
Specialties	Not applicable													
Level of studies	Uniform magister studies x* 1 st degree studies <input type="checkbox"/> 2 nd degree studies <input type="checkbox"/> 3 rd degree studies <input type="checkbox"/> postgraduate studies <input type="checkbox"/>													
Form of studies	X full-time <input type="checkbox"/> part-time													
Year of studies							Semester	X Winter <input type="checkbox"/> Summer						
Type of course	X obligatory <input type="checkbox"/> limited choice <input type="checkbox"/> free choice / elective													
Course	<input type="checkbox"/> major X basic													
Language of instruction	<input type="checkbox"/> Polish X English <input type="checkbox"/> other													
* mark <input type="checkbox"/> with an X														
Number of hours														
Form of education														
Unit teaching the course	Lectures (L)	Seminars (SE)	Auditorium classes (AC)	Major Classes – not clinical (MC)	Clinical Classes (CC)	Laboratory Classes (LC)	Classes in Simulated Conditions (CSC)	Practical Classes with Patient (PCP)	Specialist Classes – magister studies (SCM)	Foreign language Course (FLC)	Physical Education obligatory (PE)	Vocational Practice (VP)	Self-Study (Student's own work)	E-learning (EL)
	Winter Semester													



Direct (contact) education			10											
Online learning (synchronous)	10	5	10											
Distance learning (asynchronous)														
Summer Semester														
Direct (contact) education														
Online learning (synchronous)														
Online learning (asynchronous)														
TOTAL per year:														
Direct (contact) education			10											
Online learning (synchronous)	10	5	10											
Online learning (asynchronous)														
Educational objectives (max. 6 items)														
C1. The purpose of education is to familiarize students with the pathogenesis, symptomatology, and treatment of internal diseases														
C2. Knowing preventive activities against formation of internal medicine														
C3. Keeping medical records.														
C4. Students should possess the ability to efficiently collect medical history, physical examination, proper technique with the correct interpretation of the clinical examination ascertained deviations from the norm														
C5. Students also owe to possess knowledge of basic laboratory tests and diagnostic procedures, including internal medicine with knowledge of the results of variations in the underlying disease entities														
C6. Students should possess the ability to carry out differential diagnosis, perform simple diagnostic tests with the diagnosis, therapy planning of the basic units of internal diseases														
Education result matrix for module/course in relation to verification methods of the intended education result and the type of class														
Number of course education result	Number of major education result	Student who completes the module/course knows/is able to			Methods of verification of intended education results (forming and summarising)			Form of didactic class <i>**enter the abbreviation</i>						
K01	E.W1.	knows the environmental and epidemiological conditions of internal diseases			Oral or written answer			L/SE/CC						
K02	E.W7.	knows and understands the causes, symptoms, principles of diagnosis and therapeutic procedure in relation to the most common internal diseases			Oral or written answer / test / analysis of clinical cases			L/SE/CC						



K03	E.W11.	knows and understands the risks associated with the hospitalization of elderly people	Oral or written answer / test / analysis of clinical cases	L/SE/CC
K04	E.W25.	knows the possibilities of modern cancer therapy (including multimodal therapy), perspectives of cell and gene therapies and their undesirable effects	Oral or written answer / test	L/SE/CC
K05	E.W34.	knows and understands the causes, symptoms, principles of diagnosis and therapeutic and prophylactic treatment in the most common bacterial, viral, parasitic and mycotic diseases, including pneumococcal infections, hepatitis, acquired AIDS immunodeficiency, sepsis and hospital infections	Oral or written answer / test / analysis of clinical cases	L/SE/CC
K06	E.W39.	knows the types of biological materials used in laboratory diagnostics and the principles of sampling for testing	Oral or written answer / test / analysis of clinical cases	L/SE/CC
S01	E.U1.	conducts medical history with an adult patient	assessment of practical skills	CC
S02	E.U3.	carries out a full and targeted physical examination of an adult patient	assessment of practical skills	CC
S03	E.U7.	evaluates the general condition, the state of consciousness and awareness of the patient	Oral or written answer / assessment of practical skills	CC
S04	E.U12.	performs differential diagnosis of the most common adult diseases	Oral or written answer / assessment of practical skills	CC
S05	E.U14.	recognizes states of life threatening condition	Oral or written answer / assessment of practical skills	CC



S06	E.U16.	plans diagnostic, therapeutic and preventive measures	Oral or written answer / test	CC
S07	E.U24.	interprets laboratory tests and identifies the reasons for the deviations	Oral or written answer / test / analysis of clinical cases	CC
K 01		Willingly participates in care of patients		
K2		cooperates in a group of medical staff		
K3		actively participates in internal diseases prophylaxis		
<p>** L - lecture; SE - seminar; AC – auditorium classes; MC – major classes (non-clinical); CC – clinical classes; LC – laboratory classes; SCM – specialist classes (magister studies); CSC – classes in simulated conditions; FLC – foreign language course; PCP practical classes with patient; PE – physical education (obligatory); VP – vocational practice; SS – self-study, EL – E-learning .</p>				
<p>Please mark on scale 1-5 how the above effects place your classes in the following categories: communication of knowledge, skills or forming attitudes: Knowledge: 5 Skills: 5 Forming attitudes:5</p>				
Student's amount of work (balance of ECTS points)				
Student's workload (class participation, activity, preparation, etc.)			Student Workload (h)	
1. Contact hours:			10	
2. Online learning hours (e-learning):			25	
3. Student's own work (self-study):			15	
Total student's workload			50	
ECTS points for module/course			3	
Comments				
Content of classes (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects)				
Lectures WINTER SEMESTER (15 hours) 1.Patient with diabetes at the dentist's 2. Patient with infectious disorders at the dentist's 3.Patient with hematological disorders at the dentist's 4.Patient with chronic kidney disease at the dentist's 5.Patient with collagenous disease at the dentist's				
Seminars 1. Diseases of the endocrine origin with diabetes - case presentation 2. Infectious disorders - case presentation 3. Hematological disorders - case presentation 4. Kidney diseases - case presentation				



5. Rheumatological diseases - case presentation

Practical classes

WINTER SEMESTER (20 hours)

- 1 Cardiology for dentistry: coronary artery disease, heart failure, valvular heart disease – preparation of the patient with chronic circulatory disorders for dental procedures.
- 2 Respiratory tract disorders – asthma, COPD, respiratory insufficiency– preparation of the patient with chronic respiratory disorders for dental procedures.
- 3 Endocrine disorders – diabetes mellitus, disorders of pituitary, thyroid, parathyroid and suprarenal glands - preparation of the patient with endocrine disorders for dental procedures.
- 4 Hematological disorders - anemia, bleeding diathesis, leukemias - preparation of the patient with hematological disorders for dental procedures. Transfusion of blood products.
- 5 Gastrointestinal tract disorders – GERD, gastritis, stomach ulcers, viral hepatitis, liver cirrhosis, cholecystolithiasis (gallbladder stones), inflammatory bowel diseases – preparation of the patient with chronic gastrointestinal tract disorders for dental procedures.
- 6 Urinary tract disorders - chronic kidney disease - preparation of the patient with chronic kidney disease and renal replacement therapy for dental procedures.
- 7 Neurologic disorders – Parkinson’s disease, epilepsy - preparation of the patient with chronic neurologic disorders for dental procedures.
- 8 Disorders of oral cavity in internal diseases.
- 9 Infectious diseases. Fever of unknown origin. Antimicrobial prophylaxis and treatment in dental procedures.
- 10 Acute cardiac care in the dental office – principles of cardiopulmonary resuscitation.
- 11 Acute respiratory failure. Clinical signs, diagnosis and treatment, principles of cardiopulmonary resuscitation.
- 12 Principles of immunosuppressive treatment. Oral cavity sanitation before introduction of IS therapy. Antimicrobial prophylaxis.
- 13 Infected focus derived diseases diagnostic tests, symptoms and treatment.
- 14 Summary and repetition.

Other

1.

Basic literature (list according to importance, no more than 3 items)

1. G. Herold „Internal medicine”,
2. „Harrison’s Principles of Internal Medicine”
3. Macleod's Clinical Examination G. Douglas, C. Robertson.

Additional literature and other materials (no more than 3 items)

- 1.
- 2.
- 3.

Didactic resources requirements (e.g. laboratory, multimedia projector, other...)

Multimedia seminar room with a projector, internal medicine department equipment, access to ultrasound equipment, computers

Preliminary conditions (minimum requirements to be met by the student before starting the



module/course)

Completing subjects from previous years of study. The student should know the anatomy and physiology of the urinary system and the principles of subjective and physical examination. Students are required to come to classes prepared theoretically in the subject of a given topic - preparation for classes can be verified by a test or oral answer, and lack of preparation will result in failure to complete the classes, which is identical with the absence from the classes.

Conditions to receive credit for the course (specify the form and conditions of receiving credit for classes included in the module/course, admission terms to final theoretical or practical examination, its form and requirements to be met by the student to pass it and criteria for specific grades)

The condition of passing the course is the presence at all classes and obtaining a positive assessment from the teacher. All absences must be made up, including rector's and dean's hours. The grade will be issued on the basis of the teacher's recorded activity: case presentation, participation in the discussion, observation, oral answer, and test. Passing classes is a condition of admission to the exam.

Grade:	Criteria (only for courses/modules ending with an examination)
Very Good (5.0)	Attendance at all classes. Knowledge of issues related to pathogenesis, symptomatology, treatment and prevention of internal diseases. The student interprets medical research, makes a diagnosis, performs differential diagnosis, and proposes treatment. Answers correctly to 95 % of asked questions.
Good Plus (4.5)	Attendance at all classes. Knowledge of issues related to pathogenesis, symptomatology, treatment and prevention of internal diseases. The student interprets medical research, makes a diagnosis, performs differential diagnosis, and proposes treatment. Answers correctly to 90 % of asked questions.
Good (4.0)	Attendance at all classes. Knowledge of issues related to pathogenesis, symptomatology, treatment and prevention of internal diseases. The student interprets medical research, makes a diagnosis, performs differential diagnosis, and proposes treatment. Answers correctly to 80 % of asked questions.
Satisfactory Plus (3.5)	Attendance at all classes. Knowledge of issues related to pathogenesis, symptomatology, treatment and prevention of internal diseases. The student interprets medical research, makes a diagnosis, performs differential diagnosis, and proposes treatment. Answers correctly to 70 % of asked questions.
Satisfactory (3.0)	Attendance at all classes. Knowledge of issues related to pathogenesis, symptomatology, treatment and prevention of internal diseases. The student interprets medical research, makes a diagnosis, performs differential diagnosis, and proposes treatment. Answers correctly to 60 % of asked questions.
	Criteria (only for courses/modules ending with e credit)
Credit	



Grade:	Criteria (examination evaluation criteria)
Very Good (5.0)	Answers correctly to 95 % of asked questions.
Good Plus (4.5)	Answers correctly to 90 % of asked questions.
Good (4.0)	Answers correctly to 80 % of asked questions.
Satisfactory Plus (3.5)	Answers correctly to 70 % of asked questions.
Satisfactory (3.0)	Answers correctly to 60 % of asked questions.
Unit realizing the subject	Department of Nephrology and Transplantation Medicine
Unit address	50-556 Wrocław, ul. Borowska 213
Telephone	71 733 2500
E-Mail	nefrologia@umed.wroc.pl

Person responsible for module	Prof dr hab. Magdalena Krajewska
Coordinator	
Telephone	71 733 2500
E-Mail	magdalena.krajewska@umed.wroc.pl

List of persons conducting specific classes				
Full name	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Dorota Kamińska	MD, PhD	Internal medicine, nephrology, clinical transplantation	Medical doctor	Classes, lectures, seminars
Mariusz Kuztal,	MD, PhD	Internal medicine, nephrology	Medical doctor	Classes, lectures, seminars
Mirosław Banasik,	MD, PhD	Internal medicine, nephrology, clinical transplantation	Medical doctor	Classes, lectures, seminars



Krzysztof Letachowicz,	MD, PhD	Internal medicine, nephrology	Medical doctor	Classes, lectures, seminars
Tomasz Gołębiowski,	MD, PhD	Internal medicine, nephrology, clinical transplantation	Medical doctor	Classes, lectures, seminars
Sławomir Zmonarski,	MD, PhD	Internal medicine, nephrology, clinical transplantation	Medical doctor	Classes, lectures, seminars
Maciej Szymczak,	MD, PhD	Internal medicine, nephrology, clinical transplantation	Medical doctor	Classes, lectures, seminars
Andrzej Konieczny	MD, PhD	Internal medicine, nephrology	Medical doctor	Classes, lectures, seminars
Katarzyna Jakuszko,	MD, PhD	Internal medicine, nephrology	Medical doctor	Classes, lectures, seminars
Hanna Augustyniak - Bartosik	MD, PhD	Internal medicine, nephrology, clinical transplantation	Medical doctor	Classes, lectures, seminars
Dagna Rukasz,	MD	internal medicine	Medical doctor	Classes, lectures, seminars
Paweł Poznański	MD		Medical doctor	Classes, lectures, seminars

Name of unit teaching course:	Department of Heart Diseases
Address	ul. Borowska 213, 50-556 Wrocław
Phone	71 733 11 12
E-mail	wz-19@umed.wroc.pl

Person responsible for course:	dr n.med. Wojciech Zimoch
Phone	693334929
E-mail	wojciech.zimoch@umed.wroc.pl



<i>List of persons conducting specific classes:</i>	<i>degree/scientific or professional title</i>	<i>Discipline</i>	<i>Performer profession</i>	<i>Form of classes</i>
Wojciech Zimoch	MD, PhD	internal medicine	physician	Classes, lectures, seminars
Krystian Josiak	MD, PhD	internal medicine	physician	Classes, lectures, seminars
Michał Kosowski	MD, PhD	internal medicine	physician	Classes, lectures, seminars
Stanisław Tubek	MD, PhD	internal medicine	physician	Classes, lectures, seminars
Piotr Niewiński	MD, PhD	internal medicine	physician	Classes, lectures, seminars

Name of unit teaching course:	Department and Clinic of Internal, Occupational Diseases, Hypertension and Clinical Oncology
Address	Borowska 213; 50-556 Wrocław
Phone	71-7364000
E-mail	kcz@usk.wroc.pl

Person responsible for course:	Anna Jodkowska, MD, PhD
Phone	71-7364000
E-mail	anna.jodkowska@umed.wroc.pl

<i>List of persons conducting specific classes:</i>	<i>degree/scientific or professional title</i>	<i>Discipline</i>	<i>Performer profession</i>	<i>Form of classes</i>
Adrian Doroszko	MD, PhD	Internal diseases, cardiology	physician	Classes, lectures, seminars
Anna Jodkowska	MD, PhD	Internal diseases,	physician	Classes,



		endocrinology, hypertensiology		lectures, seminars
Maciej Podgórski	MD	Internal diseases, cardiology	physician	Classes, lectures, seminars
Helena Martynowicz	MD, PhD	Internal diseases, hypertensiology	physician	Classes, lectures, seminars
Jakub Gawryś	MD	Internal diseases, in training	physician	Classes, lectures, seminars
Jakub Mochol	MD	Internal diseases, in training	physician	Classes, lectures, seminars
Damian Gajecki	MD	Internal diseases, in training	physician	Classes, lectures, seminars
Siddarth Agrawal	MD, PhD	Internal diseases, in training	physician	Classes, lectures, seminars
Prof. Anna Skoczyńska	Prof. Med	Internal diseases, hypertensiology	physician	Classes, lectures, seminars
Anna Szymańska- Chabowska	MD, PhD	Internal diseases, hypertensiology	physician	Classes, lectures, seminars
Arkadiusz Derkacz	Prof. Med	Internal diseases, cardiology Angiology	physician	Classes, lectures, seminars

Date of Syllabus development

Syllabus developed by



.....15.09.2020.....

Prof. Oktawia Mazanowska,
dr hab. Dorota Kamińska,
dr n.med. Katarzyna Jakuszko

Signature of Head of teaching unit

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Signature of Faculty Dean

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