



Syllabus for academic year: 2021/2022 Training cycle: 2018/2019-2022/2023													
Description of the course													
Course	Internal diseases								Group of detailed education results				
									Group code	Group name			
									E	GENERAL CLINICAL SCIENCES (NON-SURGICAL)			
Faculty	Dentistry												
Major	dentistry												
Level of studies	X uniform magister studies												
Form of studies	X full-time												
Year of studies	IV							Semester:	X winter				
Type of course	X obligatory												
Language of study	X English												
Number of hours													
Form of education													
	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)	Foreign language Course (FLC)	Physical Education (PE)	Vocational Practice (VP)	Directed Self-Study (DSS)	E-learning (EL)
Winter semester:													
Department of Nephrology and Transplantation Medicine, Department of Gastroenterology and Hepatology, Department of Heart Diseases, Department of Internal, Occupational Diseases, Hypertension and Clinical Oncology (Dep. in charge of the course)													
Direct (contact) education ¹					20								

¹ Education conducted with direct participation of university teachers or other academics



Distance learning ²	10	5																	
Summer semester:																			
(Dep. in charge of the course)																			
Direct (contact) education																			
Distance learning																			
TOTAL per year:																			
Department of Nephrology and Transplantation Medicine, Department of Gastroenterology and Hepatology, Department of Heart Diseases, Department of Internal, Occupational Diseases, Hypertension and Clinical Oncology (Dep. in charge of the course)																			
Direct (contact) education									20										
Distance learning	10	5																	
<p>Educational objectives (max. 6 items)</p> <p>C1. The purpose of education is to familiarize students with the pathogenesis, symptomatology, and treatment of internal diseases.</p> <p>C2. Knowing preventive activities against formation of internal medicine.</p> <p>C3. Keeping medical records.</p> <p>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.</p> <p>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.</p> <p>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.</p>																			
<p>Education result for course in relation to verification methods of the intended education result and the type of class:</p>																			
Number of detailed education result	Student who completes the course knows/is able to									Methods of verification of intended education results	Form of didactic class <i>*enter the abbreviation</i>								
E. W1.	In terms of knowledge the graduate knows and understands: the relationship between morphological abnormalities and the function of changed organs and systems and between clinical symptoms and diagnostic and treatment options;									MCQ test	L/SE								
E.W2.	the basic methods for conducting a medical examination and the role of additional tests in diagnosis, monitoring, prognosis and prevention of organ and systemic disorders, with a particular									MCQ test	L/SE								

² Education with applied methods and techniques for distance learning



	emphasis on their effects on oral tissues;		
E. W3.	the aetiopathogenesis and symptomatology of diseases of the respiratory, circulatory, haematopoietic, genitourinary, immune, gastrointestinal, musculoskeletal and endocrine systems, with a particular emphasis on diseases manifesting in the oral cavity;	MCQ test	L/SE
E. W16.	immunological aspects of transplantation and haemotherapy;	MCQ test	L/SE
E. W18.	life-threatening situations;	MCQ test	L/SE
E. W20.	the cases where the patient should be referred to a hospital;	MCQ test	L/SE
E. U1.	In terms of skills the graduate is able to: perform differential diagnosis of the most common diseases;	Oral or written answer / assessment of practical skills	CC
E. U2.	assess and describe the somatic and psychological state of the patient;	Oral or written answer / assessment of practical skills	CC
E. U3.	plan diagnosis and therapy for the most common diseases;	Oral or written answer / assessment of practical skills	CC
E. U4.	interpret laboratory test results;	Oral or written answer / assessment of practical skills	CC
E. U5.	identify correct and pathological structures and organs in additional imaging examinations (X-ray, ultrasound, computed tomography [CT]);	Oral or written answer / assessment of practical skills	CC
E. U17	recognise diseases related to nicotine dependence, alcoholism and other addictions;	Oral or written answer / assessment of practical skills	CC
E. U18	diagnose diseases which involve enlargement of the lymph nodes in the neck and the submandibular region and infectious diseases, with a particular emphasis on lesions within the oral cavity;	Oral or written answer / test / analysis of clinical cases	CC
E. U20	perform basic medical procedures: temperature measurement, pulse measurement, noninvasive		



	blood pressure measurement, oxygen therapy, assisted and artificial respiration, oropharyngeal tube insertion, preparation of the surgical field, hygienic and surgical hand disinfection, intravenous, intramuscular and subcutaneous injections, collection of peripheral venous blood, collection of nasal, throat and skin swabs, simple strip tests, blood glucose measurement.		
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* L- lecture; SE- seminar; AC- auditorium classes; MC- major classes (non-clinical); CC- clinical classes; LC- laboratory classes; CSC- classes in simulated conditions; PCP- practical classes with patient; FLC- foreign language course; PE- physical education; VP- vocational practice; DSS- directed self-study; EL- E-learning

Student's amount of work (balance of ECTS points):

Student's workload (class participation, activity, preparation, etc.)	Student Workload
1. Number of hours of direct contact:	20
2. Number of hours of distance learning:	15
3. Number of hours of student's own work:	45
4. Number of hours of directed self-study	
Total student's workload	80
ECTS points for course	3

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 (10 hours)

1. Patient with hematological disorders at the dentist's
2. Patient with infectious disorders at the dentist's
3. Patient with diabetes at the dentist's
4. Patient with chronic kidney disease at the dentist's
5. Patient with collagenous disease at the dentist's

Seminars

WINTER SEMESTER (5 hours)

1. Hematological disorders - case presentation
2. Infectious disorders - case presentation
3. Diseases of the endocrine origin with diabetes - case presentation
4. Kidney diseases - case presentation
5. Rheumatological diseases - case presentation

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.

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.

Preliminary conditions:

Completing subjects from previous years of study (Anatomy I year, Human Physiology II year, Microbiology II year, Pathophysiology III year, Pharmacology III year, Internal diseases III year).

Conditions to receive credit for the course:

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 credit 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 for exam ³
Very Good (5.0)	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 Above (4.5)	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)	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)	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)	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.



Department in charge of the course:	Department of Nephrology and Transplantation Medicine
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Person in charge for the course:	Dr hab. n.med. Oktawia Mazanowska, prof. UMW
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List of persons conducting specific classes:

Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Oktawia Mazanowska	prof. UMW	Medical science	Medical doctor	L/SE/CC
Magdalena Krajewska	prof. dr hab.	Medical science	Medical doctor	L/SE/CC
Mariusz Kusztal	prof. dr hab.	Medical science	Medical doctor	L/SE/CC
Mirosław Banasik	prof. UMW	Medical science	Medical doctor	L/SE/CC
Krzysztof Letachowicz	prof. UMW	Medical science	Medical doctor	L/SE/CC
Dorota Kamińska	MD, PhD	Medical science	Medical doctor	L/SE/CC
Katarzyna Madziarska	MD, PhD	Medical science	Medical doctor	L/SE/CC
Tomasz Gołębiowski	MD, PhD	Medical science	Medical doctor	L/SE/CC
Hanna Augustyniak-Bartosik	MD, PhD	Medical science	Medical doctor	L/SE/CC
Katarzyna Jakuszko	MD, PhD	Medical science	Medical doctor	L/SE/CC
Andrzej Konieczny	MD, PhD	Medical science	Medical doctor	L/SE/CC
Magdalena Kuriata-Kordek	MD, PhD	Medical science	Medical doctor	L/SE/CC
Maciej Szymczak	MD, PhD	Medical science	Medical doctor	L/SE/CC
Sławomir Zmonarski	MD, PhD	Medical science	Medical doctor	L/SE/CC
Paweł Poznański	MD	Medical science	Medical doctor	L/SE/CC
Anna Szymczak	MD	Medical science	Medical doctor	L/SE/CC
Dorota Zielińska	MD	Medical science	Medical doctor	L/SE/CC

Department in charge of the course:	Department of Gastroenterology and Hepatology
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Person in charge for the course:	Prof. Elżbieta Poniewierka
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List of persons conducting specific classes:	



Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Elżbieta Poniewierka	prof.	Medical science	Medical doctor, academic teacher	L/SE/CC
Agata Mulak	MD, PhD	Medical science	Medical doctor, academic teacher	L/SE/CC
Dorota Waško-Czopnik	MD, PhD	Medical science	Medical doctor, academic teacher	L/SE/CC
Katarzyna Neubauer	MD, PhD	Medical science	Medical doctor, academic teacher	L/SE/CC
Radosław Kempniński	MD, PhD	Medical science	Medical doctor, academic teacher	L/SE/CC
Ewa Waszczuk	MD, PhD	Medical science	Medical doctor, academic teacher	L/SE/CC
Adam Smereka	MD, PhD	Medical science	Medical doctor, academic teacher	L/SE/CC
Barbara Woźniak-Stolarska	MD, PhD	Medical science	Medical doctor, academic teacher	L/SE/CC
Robert Dudkowiak	MD, PhD	Medical science	Medical doctor, academic teacher	L/SE/CC
Monika Kukulska	MD, PhD	Medical science	Medical doctor, academic teacher	L/SE/CC
Izabela Smoła	MD	Medical science	Medical doctor, academic teacher	L/SE/CC
Wojciech Pisarek	MD	Medical science	Medical doctor	L/SE/CC
Paweł Kuźnicki	MD	Medical science	Medical doctor	L/SE/CC
Dominika Ślósarz	MD	Medical science	Medical doctor	L/SE/CC

Department in charge of the course:	Department of Heart Diseases
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Person in charge for the course:	dr n.med. Wojciech Zimoch
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List of persons conducting specific classes:

Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Wojciech Zimoch	MD, PhD	Medical science	Medical doctor, academic teacher	L/CC
Krystian Josiak	MD, PhD	Medical science	Medical doctor, academic teacher	CC
Michał Kosowski	MD, PhD	Medical science	Medical doctor, academic teacher	CC
Stanisław Tubek	MD, PhD	Medical science	Medical doctor, academic teacher	CC
Piotr Niewiński	MD, PhD	Medical science	Medical doctor, academic teacher	CC



Department in charge of the course:	Department and Clinic of Internal, Occupational Diseases, Hypertension and Clinical Oncology
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List of persons conducting specific classes:

Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Adrian Doroszko	MD, PhD	Medical science	Medical doctor, academic teacher	L/CC
Anna Jodkowska	MD, PhD	Medical science	Medical doctor, academic teacher	L/CC
Maciej Podgórski	MD	Medical science	Medical doctor,	CC
Helena Martynowicz	MD, PhD	Medical science	Medical doctor, academic teacher	CC
Jakub Gawryś	MD, PhD	Medical science	Medical doctor, academic teacher	CC
Jakub Mochol	MD	Medical science	Medical doctor,	CC
Damian Gajecki	MD	Medical science	Medical doctor,	CC
Siddarth Agrawal	MD, PhD	Medical science	Medical doctor, academic teacher	CC
Prof. Anna Skoczyńska	Prof.	Medical science	Medical doctor, academic teacher	CC
Anna Szymańska-Chabowska	MD, PhD	Medical science	Medical doctor, academic teacher	CC
Arkadiusz Derkacz	Prof.	Medical science	Medical doctor, academic teacher,	CC
Jacek Polański	MD, PhD	Medical science	Medical doctor, academic teacher	CC
Agnieszka Sławuta	MD, PhD	Medical science	Medical doctor, academic teacher	CC



Date of Syllabus development

.....16.06.2021.....

Syllabus developed by

dr hab. n.med. Oktawia Mazanowska, prof. UMW

dr hab. n.med. Dorota Kamińska

dr n.med. Katarzyna Jakuszko

Dean's signature

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.....prof. dr hab. Marcin Mikulewicz.....

Signature of Head(s) of teaching unit(s)

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