

Syllabus 2020/2021														
Description of the course														
Module/Course	Internal Diseases (2)										Group of detailed education results			
											Group code	Group name		
											E	non-interventional clinical sciences		
Faculty	Medicine													
Major	medicine													
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	5 th year					Semester		X Winter X Summer						
Type of course	X obligatory <input type="checkbox"/> limited choice <input type="checkbox"/> free choice / elective													
Course	<input type="checkbox"/> major <input type="checkbox"/> 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 (CC)	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														
Department and Clinic of Angiology, Hypertension and Diabetology	3							0						
Clinic of Heart Diseases	3							10						

Department and Clinic of Endocrinology, Diabetes and Isotope Therapy	3							0					
Department and Clinic of Gastrology and Hepatology	3							20					
Department and Clinic of Haematology, Blood Neoplasms, and Bone Marrow Transplantation	3							0					
Summer Semester													
Department and Clinic of Angiology, Hypertension and Diabetology	3							0					
Clinic of Heart Diseases	3							5					
Department and Clinic of Endocrinology, Diabetes and Isotope Therapy	3							0					
Department and Clinic of Gastrology and Hepatology	3							25					
Department and Clinic of Haematology, Blood Neoplasms, and Bone Marrow	3							0					

Transplantation												
TOTAL per year:												
30						60						
<p>Educational objectives (max. 6 items)</p> <p>C1. To acquire the knowledge of taking history and performing physical examination in adult patient.</p> <p>C2. To acquire the knowledge of the symptomatology of hormonal, haematological, cardiovascular, vascular, gastrointestinal disorders in adult patients.</p> <p>C3. To develop the skills of interpretation of abnormalities found on examination.</p> <p>C4. To develop the ability to perform differential diagnosis in adult patients.</p> <p>C5. To know the rules of the contemporary treatment regimens of internal diseases.</p>												
<p>Education result matrix for module/course in relation to verification methods of the intended education result and the type of class</p>												
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>								
W 01	E.W7	<p>knows and understands the causes, symptoms, principles of diagnosis and therapeutic treatment in relation to the most common internal diseases occurring in adults and their complications, including:</p> <p>vascular diseases: describes the etiopathogenesis and symptomatology of vascular diseases, explains and defines life-threatening conditions in vascular diseases</p> <p>cardiovascular diseases: ischemic heart disease, heart defects, endocardial diseases, cardiac muscle, pericardium, heart failure (acute and chronic), arterial and venous arterial disease, hypertension (primary and secondary), pulmonary hypertension</p> <p>diseases of the endocrine system: diseases of the pituitary and hypothalamus, thyroid, parathyroid, cortex and adrenal medulla, diseases of ovaries and testicles, neuroendocrine tumors, polyglandular syndromes, various types of diabetes and metabolic syndrome, hypoglycaemia, obesity, dyslipidemia, bone tissue metabolism, osteoporosis,</p> <p>hematopoietic diseases: bone marrow aplasia, anemia, granulocytopenia and agranulocytosis, thrombocytopenia, acute leukemias, myeloproliferative and myelodysplastic-myeloproliferative tumors, myelodysplastic syndromes, tumors from mature B and T lymphocytes, haemorrhagic diathesis, thrombophilia, imminent life-threatening hematology, blood disorders in</p>	Oral response, credential test	L,CC								

		diseases of other organs; blood donation and blood therapy, bone marrow transplantation,		
U 01	E.U1	performs a medical interview with an adult patient;	Oral response, problem discussion	L,CC
U 02	E.U3	performs a full and targeted physical examination of an adult patient;	Oral response, problem discussion	CC
U 03	E.U12	performs differential diagnosis of the most common diseases of adults	Oral response, problem discussion	CC
U 04	E.U16	plans diagnostic, therapeutic and prophylactic procedures;	Oral response, problem discussion	CC

** 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; CC practical classes with patient; PE – physical education (obligatory); VP – vocational practice; SS – self-study, EL – E-learning .

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

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

Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
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1. Contact hours:	90 (45+45)
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2. Student's own work (self-study):	45 (22,5+22,5)
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Total student's workload	135
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ECTS points for module/course	4,0 (2,5+1,5)
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Comments	
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Content of classes

Lectures

Department and Clinic of Angiology, Hypertension and Diabetology

Winter semester:

1. Acute and chronic lower limb ischemia
2. Diabetic foot

Summer semester:

1. Venous thromboembolism
2. Diseases of the lymphatic system

Department of Heart Diseases

1. Acute and chronic heart failure.
2. Contemporary treatment of valvular heart diseases.

Department and Clinic of Endocrinology, Diabetes and Isotope Therapy

1. Osteoporosis
2. Neuroendocrine tumors of gastrointestinal tract
3. Presentation of interesting cases

Department and Clinic of Gastrology and Hepatology

1. Functional gastrointestinal disorders
2. Inflammatory bowel disease
3. Chronic non-infectious liver disease
4. Acute and chronic pancreatitis

Department and Clinic of Haematology, Blood Neoplasms, and Bone Marrow Transplantation

1. Acute leukemias and myelodysplastic syndromes.
2. Lymphoproliferative disorders.

Practical classes

Department of Heart Diseases

1. Physical examination of cardiovascular system, laboratory parameters used in cardiovascular disease, imaging techniques, drugs used in cardiology. ECG – basic rules.
2. Mitral regurgitation. STEMI. Coronary angiography and PCI. Advanced life support.
3. Mitral stenosis. Bradyarrhythmias and conductance disturbances. NSTEMI.
4. Aortic regurgitation. SVT. AF/AFL. Prophylaxis of arterial and venous thrombotic events.
5. Aortic stenosis. VT. Sudden cardiac death. Stable angina pectoris.
6. Other acquired valve diseases. Blood pressure measuring. Arterial hypertension.
7. Electrophysiology study, Holter ECG. PM + CRT + ICD. Prevention of cardiovascular diseases. Test.
8. Chronic heart failure. Cardiopulmonary exercise test. Heart transplantation.
9. Acute heart failure (including pulmonary oedema, cardiogenic shock, right ventricular failure, hyperkinetic heart failure)
10. Infective endocarditis. Pericarditis. Cardiac tamponade
11. Pulmonary embolism and vein thrombosis. Prophylaxis of arterial and venous thrombotic events.
12. Pulmonary hypertension. Congenital heart diseases. Cardiac tumours. Test.

Department and Clinic of Gastrology and Hepatology

1. Symptomatology of gastrointestinal tract diseases. Alarming symptoms. Indications and contraindications for diagnostics tests in gastroenterology. Interpretations of obtained results. Emergency situations in gastroenterology. Gastroesophageal reflux disease. Hiatal hernia. Oesophageal cancer.
2. Functional dyspepsia. Peptic ulcers of stomach and duodenum. Helicobacter pylori infection. Gastric cancer. Maldigestion and malabsorption syndrome. Differential diagnosis of chronic diarrhoea. Celiac disease.
3. Inflammatory bowel disease: ulcerative colitis and Crohn's disease. Pseudomembranaceous colitis. Colonic diverticular disease. Colonic polyps. Colorectal cancer. Irritable bowel syndrome.
4. Diagnostic tests in diseases of the liver, biliary tract and pancreas. Indication for liver biopsy.

Differential diagnosis of jaundice. Non-alcoholic fatty liver disease. Autoimmune liver diseases. Liver cirrhosis. Primary and secondary liver tumors.

5. Gallstones. Neoplasms of gallbladder and biliary tract. Acute and chronic pancreatitis. Pancreatic cancer.

6. Differential diagnosis of esophageal diseases. Achalasia. Esophageal motility disorders. Functional esophageal disorders. Diverticulum of the esophagus. Eosinophilic esophagitis. Mallory-Weiss syndrome.

7. Peptic ulcers of stomach and duodenum – complications and their therapy. Eradicative therapy of the *Helicobacter pylori* infection. Functional gastroduodenal disorders.

8. Extraintestinal manifestations and complications of coeliac disease. Differential diagnosis of inflammatory bowel disease. Intestinal ischaemia. Small intestine bacterial overgrowth.

9. Functional bowel disorders. Functional anorectal disorders. Gastrointestinal bleeding. Hereditary and familial colorectal cancer. Surveillance after colonic polypectomy.

10. Metabolic liver disorders. Treatment of the liver cirrhosis complications. Indications for liver transplantation. Biliary tract dyskinesia. Neuroendocrine gastrointestinal tumors. Differential diagnosis of pancreatic tumors.

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

1. Harrison's Principles of internal medicine. 19th edition. Dan L. Longo et al. McGraw-Hill Medical, 2015.
2. . Gerd Herold „Internal Medicine” Publisher: Iulu. com; First English Edition 2011.

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

1. Braunwald's Heart Disease. A Textbook of Cardiovascular Medicine. 7th or 8th Edition. Elsevier

Didactic resources requirements

multimedia projector

Preliminary conditions

Basic anatomy, physiology and pathophysiology

Conditions to receive credit for the course

Attendance to all classes,

Activity during classes.

Obtaining credit from the written test at the end of cardiology course and the credit from every clinical class.

A negative test grade can be improved during an oral test conducted by person responsible for the course of education.

Each absence must be made up, including rector's days or dean's hours (in this case, a form of presentation or essay prepared by the student as part of self-study is recommended)

Grade:	Criteria for course
Very Good (5.0)	<ol style="list-style-type: none"> 1. 93-100% points of credential test 2. Knowledge of issues related to the pathogenesis, symptomatology, treatment and prevention of diseases of the gastrointestinal system is estimated at 95%. The student interprets medical research, makes a diagnosis, suggests treatment very well.
Good Plus (4.5)	<ol style="list-style-type: none"> 1. 85-92% points of credential test 2. Knowledge of issues related to the pathogenesis, symptomatology, treatment and prevention of diseases of the gastrointestinal system is estimated at 90%. The student interprets medical research, makes a diagnosis, suggests treatment above well.
Good (4.0)	<ol style="list-style-type: none"> 1. 77-84% points of credential test 2. Knowledge of issues related to the pathogenesis, symptomatology, treatment and prevention of diseases of the gastrointestinal system is estimated at 80%. The student interprets medical research, makes a diagnosis, suggests treatment well.
Satisfactory Plus (3.5)	<ol style="list-style-type: none"> 1. 69-76% points of credential test 2. Knowledge of issues related to the pathogenesis, symptomatology, treatment and prevention of diseases of the gastrointestinal system is estimated at 70%. The student interprets medical research, makes a diagnosis, suggests treatment fairly well.
Satisfactory (3.0)	<ol style="list-style-type: none"> 1. 60-68% points of credential test 2. Knowledge of issues related to the pathogenesis, symptomatology, treatment and prevention of diseases of the gastrointestinal system is estimated at 60%. The student interprets medical research, makes a diagnosis, suggests treatment sufficiently.
Grade:	Criteria for exam (if applicable)
Very Good (5.0)	
Good Plus (4.5)	
Good (4.0)	
Satisfactory Plus (3.5)	
Satisfactory (3.0)	

Name of unit teaching course:	Department and Clinic of Angiology, Hypertension and Diabetology
Address	Borowska 213; 50-556 Wrocław
Phone	71 733 22 00
E-mail	ang.nt.diab@umed.wroc.pl, andrzej.szuba@umed.wroc.pl

Person responsible for course:	prof. dr hab. Andrzej Szuba
Phone	71 733 22 00
E-mail	andrzej.szuba@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>
Andrzej Szuba	MD, PhD, Professor	Internal diseases, angiology, hypertensiology	Physician, academic teacher	lecture
Rajmund Adamiec	MD, PhD, Professor	Internal diseases, angiology,	Physician, academic teacher	lecture
Izabela Gosk-Bierska	MD, PhD, Associate Professor	Internal diseases, angiology,	Physician, academic teacher	lecture
Rafał Małecki	MD, PhD, Associate Professor	Internal diseases, angiology,	Physician, academic teacher	lecture

Name of unit teaching course:	Department of Heart Diseases
Address	Borowska 213, Wrocław
Phone	71-7331113
E-mail	aleksandra.erbert@umed.wroc.pl

Person responsible for course:	Piotr Niewiński
Phone	71-7334293
E-mail	piotr.niewinski@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>
<i>Piotr Ponikowski</i>	<i>prof. dr hab.</i>	<i>choroby wewnętrzne, kardiologia</i>	<i>lekarz</i>	<i>CC, L</i>
<i>Krzysztof Reczuch</i>	<i>prof. dr hab.</i>	<i>choroby wewnętrzne, kardiologia</i>	<i>lekarz</i>	<i>CC</i>
<i>Ewa Jankowska</i>	<i>prof. dr hab.</i>	<i>choroby wewnętrzne, kardiologia</i>	<i>lekarz</i>	<i>CC</i>
<i>Michał Zakliczyński</i>	<i>prof. dr hab.</i>	<i>choroby wewnętrzne, kardiologia</i>	<i>lekarz</i>	<i>CC</i>
<i>Piotr Kubler</i>	<i>dr hab.</i>	<i>choroby wewnętrzne, kardiologia</i>	<i>lekarz</i>	<i>CC</i>
<i>Krzystian Josiak</i>	<i>Dr</i>	<i>choroby wewnętrzne, kardiologia</i>	<i>lekarz</i>	<i>CC</i>
<i>Robert Zymlński</i>	<i>dr hab.</i>	<i>choroby wewnętrzne, kardiologia</i>	<i>lekarz;</i>	<i>CK, L</i>
<i>Jan Biegus</i>	<i>dr hab.</i>	<i>choroby wewnętrzne, kardiologia</i>	<i>lekarz;</i>	<i>CC</i>
<i>Piotr Niewiński</i>	<i>dr</i>	<i>choroby wewnętrzne, kardiologia</i>	<i>lekarz;</i>	<i>CC</i>
<i>Mateusz Sokolski</i>	<i>dr</i>	<i>choroby wewnętrzne, kardiologia</i>	<i>lekarz;</i>	<i>CC</i>
<i>Krzysztof Nowak</i>	<i>Dr</i>	<i>choroby wewnętrzne, kardiologia</i>	<i>lekarz</i>	<i>CC</i>
<i>Wojciech Zimoch</i>	<i>Dr</i>	<i>choroby wewnętrzne, kardiologia</i>	<i>lekarz</i>	<i>CC</i>
<i>Michał Kosowski</i>	<i>Lek</i>	<i>choroby wewnętrzne, kardiologia</i>	<i>lekarz</i>	<i>CC</i>
<i>Marcin Drozd</i>	<i>Lek</i>	<i>choroby wewnętrzne, kardiologia</i>	<i>lekarz</i>	<i>CC</i>
<i>Anna Woźnicka</i>	<i>Dr</i>	<i>choroby wewnętrzne, kardiologia</i>	<i>lekarz</i>	<i>CC</i>
<i>Stanisław Tubek</i>	<i>Dr</i>	<i>choroby wewnętrzne, kardiologia</i>	<i>lekarz</i>	<i>CC</i>
<i>Michał Tkaczyszyn</i>	<i>Lek</i>	<i>choroby wewnętrzne, kardiologia</i>	<i>lekarz</i>	<i>CC</i>
<i>Marcin Bochenek</i>	<i>Lek</i>	<i>choroby wewnętrzne, kardiologia</i>	<i>lekarz</i>	<i>CC</i>
<i>Roman Przybylski</i>	<i>Dr</i>	<i>choroby wewnętrzne, kardiologia</i>	<i>lekarz</i>	<i>CC</i>

Name of unit teaching course:	Department and Clinic of Endocrinology, Diabetes and Isotope Therapy
Address	Pasteura 4, 50-367 Wrocław
Phone	71 784 25 45, 71 784 25 46
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Person responsible for course:	Justyna Kuliczowska-Plaksej
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<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>
Prof. Marek Bolanowski	MD, PhD	Internal Medicine Specialist, Endocrinologist	physician	CC, L
Assoc. Prof. Jacek Daroszewski	MD, PhD	Internal Medicine Specialist, Endocrinologist, Diabetologist	physician	CC, L
Aleksandra Jawiarczyk-Przybyłowska	MD, PhD	Internal Medicine Specialist, Endocrinologist	physician	CC
Jowita Halupczok-Żyła	MD, PhD student		physician	CC
Katarzyna Zawadzka	MD, PhD		physician	CC
Marcin Kałużny	MD, PhD	Internal Medicine Specialist, Endocrinologist, Diabetologist	physician	CC
Eliza Kubicka	MD, PhD	Internal Medicine Specialist, Endocrinologist	physician	CC
Aleksandra Zdrojowy-Wefna	MD, PhD		physician	CC

Anna Brona	MD, PhD	Internal Medicine Specialist, Endocrinologist	physician	CC
Barbara Stachowska	MD, PhD	Internal Medicine Specialist, Endocrinologist	physician	CC
Łukasz Gojny	MD, PhD student		physician	CC
Michał Miner	MD, PhD student		physician	CC
Beata Polowczyk	MD, PhD student		physician	CC
Aleksandra Drabik	MD, PhD student		physician	CC
Małgorzata Rolla	MD, PhD student		physician	CC
Justyna Kulickowska- Płaksej	MD, PhD	Internal Medicine Specialist, Endocrinologist	physician	CC

Name of unit teaching course:	Department and Clinic of Haematology, Blood Neoplasms, and Bone Marrow Transplantation
Address	Wrocław, ul. Wybrzeże L. Pasteura 4
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Person responsible for course:	Marta Sobas
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<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>
Tomasz Wróbel	MD, PhD	Internal Medicine Specialist, Hematologist, Transplantation Medicine	physician	CC, L
Wołowicz Dariusz	MD, PhD	Internal Medicine Specialist, Hematologist	physician	CC
Maria Podolak-Dawidziak	MD, PhD	Internal Medicine Specialist, Hematologist	physician	CC
Lidia Usnarska-Zubkiewicz	MD, PhD	Internal Medicine Specialist, Hematologist, Transplantation Medicine	physician	CC
Czyż Anna	MD, PhD	Internal Medicine Specialist, Hematologist, Transplantation Medicine	physician	CC
Katarzyna Kapelko-Stowik	MD, PhD	Internal Medicine Specialist, Hematologist	physician	CC
Donata Urbaniak-Kujda	MD, PhD	Internal Medicine Specialist, Hematologist, Transplantation Medicine	physician	CC
Justyna Rybka	MD, PhD	Internal Medicine Specialist, Hematologist	physician	CC
Stanisław Potoczek	MD, PhD	Internal Medicine	physician	CC

		Specialist, Hematologist		
Biernat Monika	MD, PhD	Internal Medicine Specialist, Microbiologist	physician	CC
Sobas Marta	MD, PhD	Hematologist	physician	CC
Kalicińska Elżbieta	MD, PhD	Internal Medicine Specialist	physician	CC
Szeremet Agnieszka	MD	Internal Medicine Specialist, Hematologist	physician	CC
Dębski Jakub	MD	Internal Medicine Specialist	physician	CC
Bogucka-Fedorczuk Aleksandra	MD		physician	CC
Walasek Angela	MD, Ph student		physician	CC
Sawicki Mateusz	MD, Ph student		physician	CC

Name of unit teaching course:	Department and Clinic of Cardiology
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Person responsible for course:	Professor Andrzej Mysiak, MD, PhD
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<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>
Andrzej Mysiak	MD, PhD, Professor	Internal diseases, cardiology	physician	L, CC
Wojciech Kosmala	MD, PhD, Professor	Internal diseases, cardiology	physician	CC
Marta Negrusz-Kawecka	MD, PhD, Assoc. Prof.	Internal diseases, cardiology	physician	CC
Monika Przewłocka-Kosmala	MD, PhD, Assoc. Prof.	Internal diseases, cardiology	physician	CC
Wiktor Kuliczkowski	MD, PhD, Assoc. Prof.	Internal diseases, cardiology	physician	CC
Marcin Protasiewicz	MD, PhD, Assoc. Prof.	Internal diseases, cardiology	physician	CC
Tomasz Witkowski	MD, PhD, Assoc. Prof.	Internal diseases, cardiology	physician	CC
Dariusz Biały	MD, PhD, Assoc. Prof.	Internal diseases, cardiology	physician	CC
Konrad Kaaz	MD, PhD	Cardiology	physician	CC
Małgorzata Kobusiak-Prokopowicz	MD, PhD	Internal diseases, cardiology	physician	CC
Magdalena Cielecka-Prynda	MD, PhD candidate	Internal diseases, cardiology in training	physician	CC
Maciej Kabaj	MD, PhD candidate	Internal diseases, in training	physician	CC
Wojciech Kosowski	MD, PhD candidate	Internal diseases, in training	physician	CC

Name of unit teaching course:	Department and Clinic of Internal, Occupational Diseases, Hypertension and Clinical Oncology
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Person responsible for course:	Anna Jodkowska, MD, PhD
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<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	CC
Anna Jodkowska	MD, PhD	Internal diseases, endocrinology, hypertensiology	physician	CC
Maciej Podgórski	MD	Internal diseases, cardiology	physician	CC
Helena Martynowicz	MD, PhD	Internal diseases, hypertensiology	physician	CC, L
Maciej Jakubowski	MD	Internal diseases, in training	physician	CC
Jakub Gawryś	MD	Internal diseases, in training	physician	CC
Jakub Mochol	MD	Internal diseases, in training	physician	CC
Maciej Bładowski	MD	Internal diseases, in training	physician	CC
Damian Gajecki	MD	Internal diseases, in training	physician	CC
Prof. Anna Skoczyńska	Prof. Med	Internal diseases, hypertensiology	physician	CC, L
Tomasz Matys	MD	Internal diseases, in training	physician	CC

Name of unit teaching course:	Department and Clinic of Rheumatology and Internal Medicine
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Person responsible for course:	Prof. Piotr Wiland
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<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>
Piotr Wiland	Prof.	specialist in internal medicine and rheumatology	physician	L
Jerzy Świerkot	Assoc. Prof.	specialist in internal medicine and rheumatology	physician	L
Agata Sebastian	MD, PhD	specialist in internal medicine and rheumatology	physician	CC
Renata Sokolik	MD, PhD	specialist in internal medicine and rheumatology	physician	CC
Magdalena Szmyrka	MD, PhD	specialist in internal medicine and rheumatology	physician	CC
Marta Madej	MD, PhD	specialist in internal medicine and rheumatology	physician	CC
Ewa Morgiel	MD, PhD	specialist in internal medicine and rheumatology	physician	CC
Marta Skoczyńska	MD		physician	CC
Paweł Stępniewski	MD		physician	CC
Bartłomiej Bugaj	MD		physician	CC

Date of Syllabus development

...31.08.2020.....

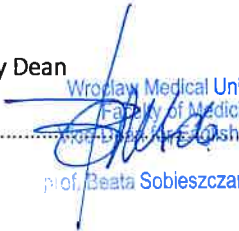
Syllabus developed by

...Tomasz...Witkowski.....

Signature of Head of teaching unit

.....

Signature of Faculty Dean


.....
Wrocław Medical University
Faculty of Medicine
Wrocław English Studies
prof. Beata Sobieszcańska, PhD

