



Internal medicine

1. IMPRINT	
Academic Year	2022/2023
Department	Faculty of Dental Medicine
Field of study	English Dentistry Division
Main scientific discipline <i>(in accord with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)</i>	Medical sciences
Study Profile <i>(general academic / practical)</i>	General Academic
Level of studies <i>(1st level / 2nd level / uniform MSc)</i>	Uniform MSc
Form of studies	Full time studies
Type of module / course <i>(obligatory / non-compulsory)</i>	Obligatory
Form of verification of learning outcomes <i>(exam / completion)</i>	Exam
Educational Unit / Educational Units <i>(and address / addresses of unit / units)</i>	Department of Internal Medicine and Cardiology Lindleya 4, 02-005 Warsaw Tel: 22 502 11 44 e-mail: kchwk@wum.edu.pl

Head of Educational Unit / Heads of Educational Units	Prof. dr hab. n. med. Piotr Pruszczyk,
Course coordinator (title, First Name, Last Name, contact)	Prof. dr hab. n. med. Piotr Pruszczyk; piotr.pruszczyk@wum.edu.pl, tel 22 502 11 44
Person responsible for syllabus (First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported)	Prof dr hab. n. med. Michał Ciurzyński; michal.ciurzynski@wum.edu.pl, tel 22 502 11 44
Teachers	Prof. dr hab. n. med. Piotr Pruszczyk (Head of Department); piotr.pruszczyk@wum.edu.pl Prof hab. n. med. Michał Ciurzyński (responsible for didactic); michal.ciurzynski@wum.edu.pl Dr hab. med. Piotr Bienias; piotr.bienias@wum.edu.pl Dr hab. med. Marek Roik; marek.roik@wum.edu.pl Dr hab. med. Katarzyna Kurnicka; katarzyna@kurnicka@wum.edu.pl Dr hab. med. Justyna Domienik-Karłowicz; justyna.domienik@wum.edu.pl Dr n. med. Olga Dzikowska-Diduch; olga.dzikowska-diduch@wum.edu.pl Dr n. med. Marta Skowrońska; marta.kozłowska@wum.edu.pl Dr n. med. Magdalena Gałęcka-Nowak; magdalena.galecka-nowak@wum.edu.pl Dr n. med. Agnieszka Wójcik; agnieszka.wojcik@wum.edu.pl Lek. med. Andrzej Łabyk; andrzej.labyk@wum.edu.pl Lek. med. Michał Machowski; michal.machowski@wum.edu.pl Lek. med. Monika Lisicka; monika.lisicka@wum.edu.pl

2. BASIC INFORMATION

Year and semester of studies	IV year. VII/VIII semester	Number of ECTS credits	3
FORMS OF CLASSES		Number of hours	ECTS credits calculation
Contacting hours with academic teacher			
Lecture (L)		7 (7 e-learning)	0,1
Seminar (S)		18	0,5
Discussions (D)			
e-learning (e-L)			
Practical classes (PC)		35	1,0
Work placement (WP)			
Unassisted student's work			

Preparation for classes and completions	50	1,4
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3. COURSE OBJECTIVES

C1	Further training in relation to the content taught in the third year. Development of skills of taking history and physical examination of patients with the most common internal diseases.
C1	Basic knowledge about most common internal diseases.
C1	Diagnose of internal diseases.

4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING *(concerns fields of study regulated by the Regulation of Minister of Science and Higher Education from 26 of July 2019; does not apply to other fields of study)*

<p>Code and number of effect of learning in accordance with standards of learning <i>(in accordance with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)</i></p>	<p>Effects in time</p>
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Knowledge – Graduate* knows and understands:

E.W2.	basic methods of medical examination and the role of additional tests in the diagnosis, monitoring, prognosis and prevention of organ and systemic disorders, with particular emphasis on their impact on the tissues of the oral cavity;
E.W3.	etiopathogenesis and symptomatology of respiratory, circulatory, hematopoietic, urogenital, immune, digestive, locomotor and endocrine diseases, with particular emphasis on diseases manifesting in the oral cavity;
E.W7.	symptoms of acute abdominal diseases, poisoning, infection and sepsis;

Skills– Graduate* is able to:

E.U1.	carry out differential diagnosis of the most common diseases;
E.U2.	assess and describe the somatic and mental state of the patient;
E.U3.	plan diagnostic and therapeutic procedures in the most common diseases;
E.U4.	interpret the results of laboratory tests;
E. U9.	describe and recognize the symptoms of shock and acute heart failure;
E.U20	perform basic medical procedures and treatments: temperature measurement, pulse measurement, non-invasive blood pressure measurement, oxygen treatment, assisted and alternative ventilation, insertion of an oropharyngeal tube, preparation of the operating field, hygienic and surgical disinfection of hands, intravenous,

* In appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019 „graduate”, not student is mentioned.

5. ADDITIONAL EFFECTS OF LEARNING <i>(non-compulsory)</i>	
Number of effect of learning	Effects of learning i time
Knowledge – Graduate knows and understands:	
K1	-
Skills– Graduate is able to:	
S1	-
Social Competencies – Graduate is ready for:	
SC1	-

6. CLASSES		
Form of class	Class contents	Effects of Learning
Lecture 1	Advances in cardiology and angiology.	E.W2., E.W3., E.W7., E.U1., E.U4., E.U3.
Lecture 2	A non-cardiac surgery. Cardiovascular risk assessment and periprocedural management. - Part 1	E.W2., E.W3., E.U1., E.U3., E.U4, E.W18.
Lecture 3	A non-cardiac surgery. Cardiovascular risk assessment and periprocedural management. - Part 2	E.W2., E.W3., E.U1., E.U3., E.U4., E.W18.
Lecture 4	Water-electrolyte and acid-base management. Recognition of disorders, basic principles of correction. - Part 1	E.W2., E.W3., E.W7., E.U1., E.U3., E.U4., E.W18.
Lecture 5	Water-electrolyte and acid-base management. Recognition of disorders, basic principles of correction. - Part 2	E.W2., E.W3., E.W7., E.U1., E.U3., E.U4., E.W18.
Lecture 6	Acute cardiac disorders. Diagnostics and management.	E.W3., E.W7., E.U3., E.U4., E.W18., E.U17.
Lecture 7	Sepsis and septic shock. Principles of diagnosis and treatment	E.W.2., E.W3., E.W7., E.U1., E.U3., E.U4, E.W18.

Seminar 1	Chronic obstructive pulmonary disease. Asthma.	E.W2., E.W3., E.W7., E.U3., E.U4., E.W18., E.U17.
Seminar 2	Pneumonia. Interstitial lung diseases. Lung cancer.	E.W2., E.W3., E.W7., E.U1., E.U3., E.U4., E.U17.
Seminar 3	Obesity. metabolic syndrome. Dyslipidemias. Hyperuricemia and gout.	E.W2., E.U1., E.U3., E.U4.
Seminar 4	Anemias: classification, diagnosis, differentiation, treatment.	E.W.2., E.W3., E.W7.
Seminar 5	Peptic ulcer disease. Diseases of the esophagus. Gastrointestinal neoplasms	E.W2., E.W3., E.W7., E.U1., E.U3., E.U4, E.W18.
Seminar 6	Jaundice. Hepatitis - HAV, HBV, HCV	E.W2., E.W3., E.W7., E.U1., E.U3., E.U4.
Seminar 7	Cirrhosis. Acute and chronic pancreatitis. Pancreatic cancer.	E.W2., E.W3., E.W7., E.U1., E.U3., E.U4, E.W18, E.U17.
Seminar 8	Acute and chronic renal failure. Kidney transplantation.	E.W2., E.W3., E.W7., E.U1., E.U3., E.U4, E.W18.
Seminar 9	Sepsis, septic shock. Oral infections in the context of cardiovascular disease.	E.W2., E.W3., E.W7., E.U1., E.U3., E.U4, E.W18.
Seminar 10	Thyroid dysfunction	E.W2., E.W3., E.U1., E.U3., E.U4., E.W18.
Seminar 11	Fainting, coma. Disturbances of consciousness in the dental office.	E.W2., E.W3., E.W7., E.U1., E.U3., E.U4., E.W18.
Seminar 12	Adrenal diseases. Iatrogenic hyper and hypoeradrenocorticism.	E.W2., E.W3., E.W7., E.U1., E.U3., E.U4., E.W18.
Seminar 13	Calcium and phosphate management. Diseases of the parathyroid glands.	E.W2., E.W3., E.U1., E.U3., E.U4., E.W18.
Seminar 14	Systemic connective tissue diseases. Vasculitis. Basics of rheumatological diagnostics.	E.W2., E.W3., E.U1., E.U3., E.U4.

Seminar 15	Dental procedures in patients treated with anticoagulants	E.W2., E.W3., E.W7., E.U1., E.U3., E.U4., E.U9, E.W18.
Seminar 16	Infective endocarditis	E.W2., E.W3., E.U1., E.U3., E.U4., E.U9, E.W18.
Seminar 17	Patient with coronary artery disease - preparation for a dental procedure, periprocedural management.	E.W2., E.W3., E.U1., E.U3., E.U4., E.U9, E.W18
Seminar 18	Patient with arterial hypertension and/or heart failure - preparation for dental procedure, periprocedural management.	E.W2., E.W3., E.U1., E.U3., E.U4., E.U9, E.W18.
Seminar 19	Patient with diabetes, thyroid diseases and other endocrine diseases- preparation for a dental procedure, periprocedural procedures.	E.W2., E.W3., E.W7., E.U1., E.U3., E.U4., E.U9, E.W18.
C1-C9. Practical training	Practical classes at the patient's bedside, in the outpatient ambulatory and in clinic laboratories. - Part 1	E.U1., E.U2., E.U3., E.U4., E.U9., E.U20., E.W.20.
C10-C19 Practical training	Practical classes at the patient's bedside, in the outpatient ambulatory and in clinic laboratories. - Part 2	E.U1., E.U2., E.U3., E.U4., E.U9., E.U20., E.W.20.
C20-C29 Practical training	Practical classes at the patient's bedside, in the outpatient ambulatory and in clinic laboratories. - Part 3	E.U1., E.U2., E.U3., E.U4., E.U9., E.U20., E.W.20.
C30-C35 Practical training	Practical classes at the patient's bedside, in the outpatient ambulatory and in clinic laboratories. - Part 4	E.U1., E.U2., E.U3., E.U4., E.U9., E.U20, E.W.20.

7. LITERATURE

Obligatory

1. Kumar and Clark's Clinical Medicine, 9th Edition, Parveen Kumar, Michael L Clark
2. Davidson's Principles and Practice of Medicine, 23rd Edition, Stuart H. Ralston, Ian Penman, Mark Strachan, Richard Hobson
3. Interna Szczeklika - mały podręcznik 2022/2023, Medycyna Praktyczna, Kraków 2022, wyd.14 (lub starsze wydania)

Supplementary

1. Macleod's Clinical Examination 14th Edition, J. Alastair Innes Anna Dover Karen Fairhurst
2. Evidence-Based Medicine 5th Edition, Sharon Straus Paul Glasziou W. Scott Richardson R. Brian Haynes

8. VERIFYING THE EFFECT OF LEARNING		
Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
<i>e.g. G.K1, G.S1, K1</i>	<i>This field defines the methods used for grading students e.g. pop quiz, test, written report etc.</i>	<i>e.g. threshold number of points</i>
E.W2., E.W3., E.W7., E.W18, E.W20, E.U1., E.U2., E.U3., E.U4., E.U9., E.U17, E.U20.	<p>During the classes, assistants control the knowledge of the applicable material from the indicated sources of knowledge and textbooks and assess practical skills.</p> <p>On the last day of classes, a credit test - a test with grades is held after the end of each block of classes in semesters 7 and 8 (the grade for the credit report after the fourth year is the grade from the test after semester 8).</p> <p>The final test exam takes place in the summer exam session - the test contains 60 closed questions, the test lasts 60 minutes, one of 4 answers to choose from for each question. The scope of knowledge on the final exam covers the entirety of the material from the classes in the 3rd and 4th year.</p> <p>The second exam day is in the form of an oral answer and takes place in the second session of the summer semester.</p>	<p>Attendance at all classes. Passing the test colloquium with grades.</p> <p>Final test exam with grades - to obtain a passing grade, you must obtain >60% of correct answers, i.e. at least 37 points out of a maximum of 60 possible.</p> <p>The second exam takes the form of an oral answer..</p>

9. ADDITIONAL INFORMATION <i>(information essential for the course instructor that are not included in the other part of the course syllabus e.g. if the course is related to scientific research, detailed description of, information about the Science Club)</i>
<p><i>Classes are held according to the schedule from the Dean's Office. Lectures in the place indicated in the schedule in the autumn and winter semester or using distance learning techniques. Seminars in the clinic's seminar room (ul. Lindleya 4, pavilion 3, second floor). Exercises in the Departments of the Clinic, in Laboratories or Clinical Ambulatories. Before starting classes, students leave their outer clothing in the cloakroom for students of the Clinic. Students are required to change shoes, have medical gowns and stethoscopes.</i></p> <p><i>Attendance at all exercises is mandatory. One excused absence is allowed, subsequent absences must be credited by preparing a presentation and/or participating in clinical shifts or making up classes with another group. The course is passed on the basis of attendance and a colloquium test, which takes place on the last day of the class.</i></p> <p><i>At the clinic, there is a student scientific club with a cardiological profile - tutor dr hab. Piotr Bienias, MD</i></p>

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