



**Medical University of Warsaw
Faculty of Medicine - English Division
61 Żwirki i Wigury Street
02-091 Warsaw, Poland**

[http: // www.wum.edu.pl/](http://www.wum.edu.pl/)

4th YEAR CURRICULUM

6-year program

Warsaw, 2021/2022

AUTHORITIES OF MEDICAL UNIVERSITY OF WARSAW – TERM 2020-2024

Rector – Professor Zbigniew Gaciong, MD, PhD

Vice Rector for Student Affairs and Education – Professor Marek Kuch, MD, PhD

Vice Rector for Science and Technology Transfer – Professor Piotr Pruszczyk, MD, PhD

Vice Rector for Human Resources – Professor Agnieszka Cudnoch-Jedrzejewska, MD, PhD

Vice Rector for Clinical Affairs and Investments – Professor Wojciech Lisik, MD, PhD

Vice Rector for International Relations, Development and Promotion – Professor Paweł Włodarski, MD, PhD

FACULTY AUTHORITIES OF MEDICAL UNIVERSITY OF WARSAW – TERM: 2020-2024

Faculty of Medicine – Professor Rafał Krenke MD, PhD

English Division – Faculty of Medicine – Assoc. Prof. Jacek Sieńko, MD, PhD.

DEAN'S OFFICE

Head of the Dean's Office – Magdalena Kawałczewska, MA

Student Administration Officer (1st, 2nd and 3rd -Year) – Aleksandra Chilecka

Student Administration Officer (4th, 5th, 6th -Year) – Justyna Szczepaniuk, MA

STUDENT'S GOVERNMENT REPRESENTATIVE:

President – Bartholomew Rzepa

Vice President – Jannush Nathan

Secretary – Mira Odeessa

Student Rights – Isabel Jaszewski

Treasurer – Chukwudum Igbokwe

Social Media – Olivia Gudziwski

Event Coordinator – Zoheir Boutaleb, Disha Keshwani

www: <https://edsgwum.wixsite.com/edsg>

CLASS REPRESENTATIVE:

Ishani Khanna – 4 year

SCHEDULE – ACADEMIC YEAR 2021/2022

6-year program

WINTER SEMESTER – 01.10.2021 – 20.02.2022

STUDENT'S ACADEMIC CLASSES:	01.10.2021 – 19.12.2021
	03.01.2022 – 30.01.2022
WINTER HOLIDAYS:	20.12.2021 – 02.01.2022
EXAM SESSION:	31.01.2022 – 06.02.2022
DAYS OFF BETWEEN SEMESTER:	07.02.2022 – 13.02.2022
RETAKE EXAM SESSION:	14.02.2022 – 20.02.2022

SUMMER SEMESTER – 21.02.2022 – 30.09.2022

STUDENT'S ACADEMIC CLASSES:	21.02.2022 – 15.04.2022
	25.04.2022 – 12.06.2022
EASTER HOLIDAYS:	16.04.2022 – 24.04.2022
DAYS OFF BEFORE EXAM SESSION	13.06.2022 – 19.06.2022
EXAM SESSION:	20.06.2022 – 10.07.2022
SUMMER HOLIDAYS:	11.07.2022 – 28.08.2022
RETAKE EXAM SESSION:	29.08.2022 – 04.09.2022
SUMMER HOLIDAYS:	05.09.2022 – 30.09.2022

Curriculum of 4th year of 6-year 2021/2022 ED program and the list of contents

4th year 2021_2022 programme of study for ED 6-year pr

Page	subject	form of credit	semester	Total no of hours	including				ECTS
					lecture	seminar	class	practical	
5	Dermatology with venerology	exam	2	90	36	4	50		5
12	Infectious Diseases	exam	1	105		45	60		5
19	Urology	exam	2	30		10	20		2
26	Otolaryngology	exam	1	45		18	27		3
33	Pediatric Laryngology		1	15		6	9		
39	Clinical Pharmacology	exam	1	50	15	15	20		5
46	Pediatric Imaging Diagnostics	credit	1&2	18		18			2
51	Surgery	credit	2	110	10	30	70		8
56	Pediatric Surgery	credit	1	30		15	15		2
61	Internal Medicine-Hematology	credit	1&2	30		20	10		2
66	Internal Medicine-Cardiology	credit	1&2	30		10	20		2
70	Internal Medicine-Pulmonology	credit	1	30		20	10		2
75	Internal Medicine-Rheumatology	credit	1&2	30		20	10		2
80	Clinical Immunology	credit	2	20		10	10		1
85	Family Medicine with elements of Geriatry	credit	2	40		30	10		2
90 96 101	Pediatrics (Pulmon., Gastro., Endo.)	credit	1&2	75		30	45		6
106	Psychiatry	credit	1	60		30	30		4
113	Child Psychiatry	credit	1	20		2	18		1
118	Maxillofacial Surgery	credit	1&2	12		12			1
	Vocational Training	credit	2	140				140	4
	Optional course	credit	1&2	60		60			4
				1040	61	405	434	140	63



DERMATOLOGY & VENEROLOGY

1. IMPRINT

Academic Year	2021/2022
Department	Faculty of Medicine
Field of study	Medicine
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 Science
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 Dermatology Address: Koszykowa 82A, 02-008 Warsaw Phone: +48 22 5021324; fax: +48 22 5022106, e-mail: dermatologia@wum.edu.pl, Department of Dermatology and Venereology Address : Koszykowa 82A, 02-008 Warsaw Phone: +48 22 502 13 13; fax: +48 22 502 21 08

Head of Educational Unit / Heads of Educational Units	Prof. Lidia Rudnicka - Department of Dermatology Prof. Sławomir Majewski - Department of Dermatology and Venereology
Course coordinator (<i>title, First Name, Last Name, contact</i>)	Dermatology: dr n. med. Olga Warszawik-Hendzel - olga.warszawik@gmail.com Lek. Karolina Kozera-Wojtan – karolina.kozera-wojtan@wum.edu.pl Lek. Agata Szykut-Badaczewska aszykut@gmail.com Venereology: dr n. med. Iwona Rudnicka – iwona.rudnicka@wum.edu.pl tel. 22 502 11 61 dr hab. n. med. Magdalena Malejczyk – magdalena.malejczyk@wum.edu.pl
Person responsible for syllabus (<i>First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported</i>)	dr n. med. Olga Warszawik-Hendzel - ohendzel@wum.edu.pl
Teachers	<p>Department of Dermatology:</p> <p>Prof. dr hab. n. med. Lidia Rudnicka</p> <p>Prof. dr hab. n. med. Małgorzata Olszewska</p> <p>dr hab. n. med. Zbigniew Samochocki</p> <p>dr hab. n.med. Adriana Rakowska</p> <p>dr hab. n. med. Joanna Czuwara</p> <p>dr n. med. Marta Sar-Pomian</p> <p>dr n. med. Olga Warszawik-Hendzel</p> <p>dr n. med. Magdalena Misiak-Gałązka</p> <p>dr n. med. Joanna Misiewicz-Wroniak</p> <p>dr n. med. Marta Kurzeja</p> <p>dr n. med. i n. o zdr. z Anna Waśkiel-Burnat</p> <p>lek. Alicja Kryst</p> <p>lek. Małgorzata Maj</p> <p>lek. Danuta Fedorczyk</p> <p>lek. Paulina Głowacka</p> <p>lek. Magdalena Jasińska</p> <p>lek. Barbara Borkowska</p> <p>lek. Sylwia Chrostowska</p> <p>lek. Patrycja Gajda-Mróż</p> <p>lek. Karolina Kozera-Wojtan</p> <p>lek. Anna Stochmal</p> <p>lek. Agata Szykut-Badaczewska</p> <p>lek. Joanna Golińska</p> <p>dr n. med. i n. o zdr. Leszek Blicharz</p> <p>lek. Agnieszka Kaczorowska</p> <p>lek. Ewelina Ulc</p> <p>lek. Magdalena Chrabąszcz</p> <p>lek. Anna Pasierb</p> <p>lek. Paulina Chmielińska</p> <p>mgr Michał Zaręba</p> <p>Department of Dermatology and Venereology</p> <p>Prof. dr hab. n. med. Sławomir Majewski</p> <p>dr n. o zdr. Ewa Bukowska</p> <p>dr hab. n. med. Magdalena Malejczyk</p> <p>dr hab. n. med. Beata Młynarczyk-Bonikowska</p> <p>dr n. med. Tomasz Pniewski</p> <p>dr n. med. Iwona Rudnicka</p> <p>dr n. med. Katarzyna Smolarczyk</p> <p>lek. Julia Sieczych</p> <p>lek. Bartłomiej Świąś</p> <p>dr n. med. Anna Winiarska</p>

2. BASIC INFORMATION

Year and semester of studies	IV year, 8 th (summer) semester	Number of ECTS credits	5.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation
Contacting hours with academic teacher			
Lecture (L)		36	
Seminar (S)		4	2
Classes (C)		50	3
e-learning (e-L)			
Practical classes (PC)			
Work placement (WP)			
Unassisted student's work			
Preparation for classes and completions		20	

3. COURSE OBJECTIVES

O1	<p>The aim of the course is giving medical students basic information about:</p> <ol style="list-style-type: none"> 1. Etiology and symptoms of the most common dermatological diseases and dermatological correct terminology. 2. Diagnostic procedures and tests used in dermatology and interpretation of their results. 3. Management of the most common dermatological diseases.
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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)*

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

G.K1	Student has symptomatology knowledge of the most common dermatological diseases and dermatological correct terminology. E.W1; E.W35
G.K2	Student has knowledge of etiopathogenesis, epidemiology, clinical presentation, diagnosis and treatment of the most common infectious and non-infectious diseases of skin, hair, nails and mucous membranes. E.W1; E.W35; E.W7.7; E.W7.8; E.W33; E.W37
G.K3	Student has knowledge of etiopathogenesis, epidemiology, clinical presentation, diagnosis and treatment of nevus, benign and malignant tumors of the skin. E.W23; E.W25; E.W26
G.K4	Student has knowledge of skin lesions associated with diseases of internal organs and systemic diseases. E.W7.7
G.K5	Student has knowledge of etiopathogenesis, epidemiology, clinical presentation, diagnosis and treatment of sexually transmitted diseases. E.W34; E.W36

Skills– Graduate* is able to:

G.S1	Student is able to make an appropriate, focused and comprehensive history E.U38
G.S2	Student is able to deal with complex patients (e.g. angry or distressed patient) and communicate effectively with patients from diverse backgrounds E.U13,
G.S3	Student is able to undertake an appropriate, focused and comprehensive examination of mental and physical state E.U13
G.S4	Student is able to gather information by the technique of the observation, direct and indirect measurements (scales) analysis of documentation formulate a focussed and relevant series of investigations E.U12; E.U18; E.U24; E.U32

* 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 (non-compulsory)

Number of effect of learning	Effects of learning time
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Knowledge – Graduate knows and understands:

K1	
K2	

Skills– Graduate is able to:

S1	
S2	

Social Competencies – Graduate is ready for:

SC1	Student is active during the course, punctual and conscientious
SC2	Student is able to cooperate as a part of a medical-nursing team

SC3	<i>Student is able to work by themselves at the patient's bedside, helps patient during the examination, shows adequate empathy towards patient</i>
SC4	<i>Student maintains confidentiality</i>

6. CLASSES		
Form of class	Class contents	Effects of Learning
SEMINARIES	S1 Introduction to dermatology S2 Bacterial infections, Borrelia infections S3 Fungal infections S4 Viral infections S5 Lupus S6 Photodermatoses S7 Drug eruption S8 Psoriasis S9 Melanocytic nevi and melanoma; Nonmelanoma skin cancer S10 Paraneoplastic diseases S11 Lymphoma S12 Lichen planus; mucous membranes diseases S13 Pathogenesis Cutaneous and mucosae symptoms S14 Allergic diseases S15 Dermatosurgery and lasers S16 Scleroderma S17 Acne S18 Epidemiology of STD S19 Syphilis: Acquired early S20 Syphilis: Acquired early late; Hereditary, Serology S21 Viral infections – genital warts	E.W1; E.W35 E.W1; E.W35; E.W7.7; E.W7.8; E.W33; E.W37 E.W23; E.W25; E.W26; E.W34; E.W36;
CLASSES	Topics of classes (Dermatology) The classes will take place at both outpatient and inpatient department. Students will assist current admissions with the emphasis to the most frequent diagnosis i.e. psoriasis, papillomavirus infections, pediatric dermatology, collagen diseases, skin cancer. Special concern will be taken to the diseases presented on lectures and additionally on cutaneous symptoms of diabetes and leg ulcer. Following topics not included to lectures will be discussed: C1 Alopecia areata C2 Dermatomyositis C3 Dermatological treatment a) Diagnostic and therapeutic techniques b) Operative procedures C4 Erythema multiforme C5 Erythema nodosum C6. Erythrasma C7 Infestations a) Scabies b) Pediculosis c) Ticks C8 Leukocytoclastic vasculitis C9 Lichen planus	

C10 Pityriasis rosea C11 PLEVA C12 Premalignant skin conditions C13. Rosacea C14 Sarcoidosis C15 Skin manifestations in diabetes C16 Tuberculosis C17 Venous leg ulcer C18 Vitiligo C19 Pyoderma gangrenosum C20 Seborrhoeic dermatitis Topics of laboratory classes and case presentation (Venereal diseases) C21 Laboratory exercises C22 Case presentation	
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7. LITERATURE
Obligatory
Fitzpatrick's Color Atlas and Synopsis of Clinical Dermatology, Seventh Edition McGraw-Hill, New York
Supplementary
D.J. Gawkrödger: An Illustrated Colour Text. Dermatology. Second ed. Churchill Livingstone, Edinburgh 1998 J.A.A. Hunter, J.A. Savin, M.V. Dahl: Clinical Dermatology, 3rd ed. Oxford, Blackwell Scientific Publications 2002

8. VERIFYING THE EFFECT OF LEARNING		
Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
G.K1	A Dermatology credit is given by a group assistant upon a test of theoretical knowledge and practical skills (skin examination - description of skin lesions). To receive a credit students must obligatory attend the classes and lectures. In exceptional cases one day can be missed but only if student will make up missing classes according to group assistant guidelines. For those who will not get a credit on the last day of the course, an additional and final date for a retake will be provided by the group assistant within maximum 2 weeks after the end of the course.	Colloquium
G. K2	The final Dermatology & Venerology exam for 6 is scheduled in June 2020 This will be an MCQ test. The exam grade will be: 2 = poor learning outcome 3 3.5 4 4.5 5 = meet all the criteria of assessment To pass the exam student will need 3 or more.	2,0 (unsatisfactory) - final exam- below 51% good answers 3,0 (satisfactory) – according to Gausse curve 3,5 (better than satisfactory) – according to Gausse curve 4,0 (good) – according to Gausse curve

		4,5 (better than good) – according to Gausse curve 5,0 (very good) – according to Gausse curve
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9. ADDITIONAL INFORMATION (*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*)



Infectious Diseases

1. IMPRINT

Academic Year	2021/2022
Department	Faculty of Medicine
Field of study	Medicine
Main scientific discipline (in accord with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)	Medical science
Study Profile (general academic / practical)	General academic
Level of studies (1 st level / 2 nd level / uniform MSc)	Uniform MSc
Form of studies	Full time studies
Type of module / course (obligatory / non-compulsory)	obligatory
Form of verification of learning outcomes (exam / completion)	exam
Educational Unit / Educational Units (and address / addresses of unit / units)	Department of Adult's Infectious Diseases; Department of Pediatric Infectious Diseases; 01-201 Warsaw, 37 Wolska St., tel. 48 22 33 55 288

Head of Educational Unit / Heads of Educational Units	Profesor Andrzej Horban Profesor Magdalena Marczyńska
Course coordinator (<i>title, First Name, Last Name, contact</i>)	Profesor Andrzej Horban ahorban@zakazny.pl, dr n.med. Agnieszka Bednarska abednarska@zakazny.pl
Person responsible for syllabus (<i>First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported</i>)	Dr n.med. Agnieszka Bednarska, Ewa Ciostek ewa.ciostek@wum.edu.pl
Teachers	prof. Andrzej Horban Dr n.med. Dawid Porowski Dr n.med. Agnieszka Bednarska Dr n.med. Marcin Paciorek Dr n.med. Joanna Raczyńska dr n.med. Agata Skrzat-Klapaczyńska dr n.med. Joanna Puła Lek. Joanna Hackiewicz Dr n.med. Dominik Bursa Lek. Dominika Krogulec lek. Michał Makowiecki Dr n.med Jolanta Popielska Dr n.med Ewa Talarek Dr n.med Konrad Zawadka Dr n.med Agnieszka Ołdakowska Dr hab.n.med. Maria Pokorska-Śpiewak lek. Anna Tomasiak lek. Karolina Nowicka lek. Marta Lipińska lek. Magdalena Pluta

2. BASIC INFORMATION

Year and semester of studies	4 th year, VII semester		Number of ECTS credits	5
FORMS OF CLASSES		Number of hours	ECTS credits calculation	
Contacting hours with academic teacher				
Lecture (L)				

Seminar (S)	45	1,8
Classes (C)	60	2,4
e-learning (e-L)		
Practical classes (PC)		
Work placement (WP)		
Unassisted student's work		
Preparation for classes and completions	20	0,8

3. COURSE OBJECTIVES	
O1	1. The students is supposed to gain the knowledge about the epidemiology, diagnostics, treatment and prevention of infectious diseases in adults and children.

4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING <i>(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)</i>	
Code and number of effect of learning in accordance with standards of learning <i>(in accordance with appendix to Regulation of Minister of Science and Higher education from 26th of July 2019)</i>	Effects in time
Knowledge – Graduate* knows and understands:	
E.W7c	knows and understands the causes, symptoms, principles of diagnosis and therapeutic management in relation to the most common internal diseases occurring in adults and their complications. Digestive system diseases. Including diseases: oral cavity, esophagus, stomach and duodenum, intestine, pancreas, liver, biliary tract and gall bladder
E.W 14d	knows and understands the causes, symptoms, diagnostics and therapy principles in the most common nervous system diseases, including nervous system infections, meningitis, Lyme disease, HSV encephalitis
E.W32	knows and understands the causes, symptoms, diagnostics and therapy principles in the most common bacterial, viral, fungal and parasitic diseases, including pneumococcal diseases, viral hepatitis, AIDS, sepsis and nosocomial infections
E.W34	knows and understands the causes, symptoms, diagnostics and therapy principles in the most common sexual-transmitted diseases: syphilis, HPV, HSV, HBV, HIV

E.W37	knows the types of biological materials used in laboratory diagnostics and principles of obtaining samples for microbiologic testing
E.W40	knows the indications for implementation of monitored therapy – in chronic infectious diseases (mainly HIV, HBV, HCV infection)
E.W3e,h,i	know and understand the causes, symptoms, diagnosis and therapeutic procedure rules for the most common diseases of children: acute, chronic diseases of the abdomen, vomiting, diarrhea and other acquired gastrointestinal disease, cerebral palsy, brain inflammation and tires of CSF, epilepsy, the most common childhood infectious diseases
E.W6	know the most common life-threatening States in children and in these States

Skills– Graduate* is able to:

E.U1	takes medical interview with adult patient
E.U2	takes medical interview with a child and guardians
E.U3	takes full and targeted physical examination of adult patient
E.U7	evaluates patient's general condition and state of consciousness
E.U9	knows how to wield percentiles charts in anthropometric and blood pressure measurements
E.U10	evaluates the grade of sexual development
E.U12	carry out differential diagnosis the most common diseases of adults and children
E.U13	evaluates and describes somatic and psychological condition of a patient
E.U14	recognizes life- treating conditions
E.U15	recognizes symptoms of alcohol, narcotics and other stimulants use
E.U16	plans to conduct diagnostic, therapeutic and prophylactic
E.U17	performs analysis of possible drugs adverse effects and interactions
E.U19	Recognizes drug dependences symptoms and proposes treatment management
E.U20	qualifies patients for hospital or ambulatory therapy

E.U24	interprets results of laboratory tests and identifies the causes of abnormalities
E.U26	plans management after exposure for blood- transmitted infections
E.U28	obtains materials for laboratory diagnostics
E.U29a,b,f	performs basic procedures: -temperature, heart rate and blood pressure measurements -vital signs monitoring with cardiac monitor and puls oximeter -taking throat, nasal and skin swabs,
E.U30e	assists at lumbar puncture

* 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 (non-compulsory)	
Number of effect of learning	Effects of learning i time
Knowledge – Graduate knows and understands:	
E.W10	basic principles of pharmacotherapy of infectious diseases in the elderly
E.W15	basic concepts of pathogenesis of infectious diseases
E.W31	the role of medical rehabilitation
Skills– Graduate is able to:	
S1	
S2	
Social Competencies – Graduate is ready for:	
SC1	The student is able to establish and maintain deep and respectful contact with the patient
SC2	The student is Guidem by the good of the patient,putting them first
SC3	The student respects medical confidentiality and patient`s rights

6. CLASSES		
Form of class	Class contents	Effects of Learning
	<i>S1 – Laboratory diagnosis of infectious diseases</i>	
Seminar:	<i>S2- Approache to patient with fever of unknown origin</i>	

	<i>S3-Infections in transplant recipients and patients with cancer</i>	
	<i>S4- Pharyngitis, sinusitis, otitis. Infectious bronchitis. Infectious bronchiectasis.</i>	
	<i>S5- Opportunistic infections in HIV/AIDS patients-diagnosis and treatment.</i>	
	<i>S6- Fever and rash.</i>	
	<i>S7- Acute bacterial meningitis including <i>Listeria monocytogenes</i> infection</i>	
	<i>S8- Pneumonia and lung abscesses</i>	
	<i>S9- Nosocomial infections</i>	
	<i>S10- Treatment of bacterial infections</i>	
	<i>S11- Acute and chronic viral hepatitis</i>	
	<i>S12 Emerging infections</i>	
	<i>S13- Systemic fungal infections</i>	
	<i>S14- Infectious osteomyelitis and arthritis</i>	
	<i>S15- Parasitic diseases</i>	
	<i>S16- C. difficile and other clostridial infections</i>	
	<i>S17 – Brain abscesses and empyema</i>	
	<i>S18- Malaria. Travel medicine</i>	
	<i>S19 – HIV infection</i>	
	<i>S20- Sepsis and septic shock</i>	
	<i>S21- Viral infections of CNS. Chronic and recurrent meningitis</i>	
	<i>S22- Intraabdominal infections including abscesses and peritonitis</i>	
	<i>S23- Acute infectious diarrheal diseases</i>	
	<i>S24- Tick-borne diseases</i>	
	<i>S25- Infections of the skin, muscle, and soft tissues, infectious complications of bites and burns</i>	
	<i>S26- Urinary tract infection and STD</i>	
	<i>S27- Infective endocarditis and pericarditis</i>	
	<i>S28 HIV infection in children</i>	
	<i>S29 Exanthematous diseases in children</i>	

	<i>S30 Respiratory tract infections in children</i>	
	<i>S31 Acute infectious diarrheal diseases in children</i>	
	<i>S32 Viral infection in children</i>	
	<i>S33 Immunization principle and vaccine use</i>	
	<i>S34 Congenital infections</i>	
7. LITERATURE		
Obligatory		
1. Harrison's Infectious Diseases, 3 rd Edition 2017 Dennis L. Kasper, Anthony S. Fauci 2. 4. Clinical Microbiology made ridiculously simple. M.Gladwin, W.Trattler, C.S.Mahan, 7th Edition		
Supplementary		
1. Nelson Textbook of Pediatrics. Kliegman, Stanton, St.Geme, Schor - 20th Edition, Saunders 2016 2. Feigin and Cherry's Textbook of Pediatric Infectious Diseases, J.Cherry, G.Harrison, S.Kaplan, W.Steinbach, P. Hotez, 7th Edition, Elsevier 2014 3. Principles and Practise of Pediatric Infectious Diseases. Long S., Pickering L.K., Prober C.G., Elsevier 2014 4. Infectious Diseases, G. Mandel, J. Benett, R. Dolin;		

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>
W01--8	e-learning	attendance
All	Final test, report	2,0 3,0 3,5 4,0 4,5 5,0

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>)



UROLOGY

1. IMPRINT

Academic Year	2021/2022
Department	Faculty of Medicine
Field of study	Medicine
Main scientific discipline (in accord with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)	Medical science
Study Profile (general academic / practical)	General academic
Level of studies (1 st level / 2 nd level / uniform MSc)	Uniform MSc
Form of studies	Full time studies
Type of module / course (obligatory / non-compulsory)	obligatory
Form of verification of learning outcomes (exam / completion)	Exam
Educational Unit / Educational Units (and address / addresses of unit / units)	Chair and Department of General, Oncological and Functional Urology (1M7) Infant Jesus Teaching Hospital Urology – building no. 7 4 Lindleya St., 02-005 Warsaw, e-mail: urologia@wum.edu.pl Phone: 48 22 502 17 23/ 02.

Head of Educational Unit / Heads of Educational Units	Prof. Piotr Radziszewski MD PhD
Course coordinator (<i>title, First Name, Last Name, contact</i>)	Dr. Waldemar Szabłoński MD PhD wszablonski@wum.edu.pl
Person responsible for syllabus (<i>First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported</i>)	Dr. Waldemar Szabłoński MD PhD
Teachers	Prof. Piotr Radziszewski MD PhD Assoc. Prof. Tomasz Borkowski MD PhD Dr Emilia Pawłowska – Krajka MD PhD Dr. Waldemar Szabłoński MD PhD Dr. Łukasz Zapała MD PhD Dr. Sylwia Bender MD Dr. Tomasz Piecha MD PhD Dr. Piotr Zapała MD PhD Dr. Adrian Podkański MD

2. BASIC INFORMATION			
Year and semester of studies	4 year 8 semester	Number of ECTS credits	2.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation
Contacting hours with academic teacher			
Lecture (L)		-	-
Seminar (S)		10	0,5
Classes (C)		20	0,5
e-learning (e-L)		-	-
Practical classes (PC)		-	-
Work placement (WP)		-	-
Unassisted student's work			
Preparation for classes and completions		30	1,0

3. COURSE OBJECTIVES

O1	To get acquainted with terminology used in urology
O2	To know which diseases and conditions are treated by urologists and which patients should be referred to the specialist To know strategies of initial evaluation of patients with symptoms from the urinary and male genital tract
O3	To know basic therapies in most common urological diseases
O4	To know urgent conditions and their consequences. To be able to carry out differential diagnosis and initial management.
O5	To know risk factors, methods of screening and preventive measures of genitourinary malignancies
O6	To know symptoms, work-up, staging and management of localized and advanced genitourinary malignancies.
O7	To understand physiology of lower urinary tract and mechanisms of urine incontinence and retention.
O8	To be able to catheterize the patient

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*)

Code and number of effect of learning in accordance with standards of learning

(in accordance with appendix to Regulation of Minister of Science and Higher education from 26th of July 2019)

Effects in time

Knowledge – Graduate* knows and understands:

E.W7.	knows and understands the etiology, symptoms, principles of diagnosis and therapeutic management of the urinary stone disease
E.W7.	knows and understands the etiology, symptoms, principles of diagnosis and therapeutic management in relation to urinary tract infections,
E.W7.	knows and understands the etiology, symptoms, principles of diagnosis and therapeutic management of urinary tract neoplasms, particularly prostate cancer, bladder cancer, renal cancer, testicular cancer, testicular cancer, penile cancer.
E.W7.	knows and understands the etiology, symptoms, principles of diagnosis and therapeutic management of prostate diseases
E.W7.	knows and understands the etiology, symptoms, principles of diagnosis and therapeutic management of urinary incontinence and other functional disorders of the lower urinary tract
E.W7.	knows and understands the etiology, symptoms, principles of diagnosis and therapeutic management of the genitourinary tract trauma
E.W7.	knows and understands the etiology, symptoms, principles of diagnosis and therapeutic management of urological emergencies

Skills– Graduate* is able to:

F.U23	can assess the indications for suprapubic puncture and participates in the procedure;
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F.U24	assists with common urological procedures (diagnostic and therapeutic endoscopic procedures, lithotripsy, prostate cancer biopsy);
E.U29 g	can perform urinary bladder catheterization in women and men.

* 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 (non-compulsory)	
Number of effect of learning	Effects of learning i time
Knowledge – Graduate knows and understands:	
K1	
K2	
Skills– Graduate is able to:	
S1	
S2	
Social Competencies – Graduate is ready for:	
SC1	
SC2	

6. CLASSES		
Form of class	Class contents	Effects of Learning
S1 - seminar	Symptoms. Instruments. Terminology	W6 U1 U2 U3
S2 - seminar	Urolithiasis	W1
S3 - seminar	Urological Oncology (neoplasms of the kidney, the bladder, the testis, and the penis)	W3
S4 - seminar	Emergency in urology	W7
S5 - seminar	Diseases of the prostate (Prostate Cancer)	W3 W4
S6 - seminar	Diseases of the prostate (Benign Prostatic Hyperplasia)	W3 W4
S7 - seminar	Urinary incontinence and other functional disorders of the lower urinary tract	W5
S8 - seminar	Traumatology of the genitourinary tract	W6
S9 - seminar	Neurogenic Bladder	W5
C1 – practical classes	The ward	U1-3
C2 – practical classes	Operating theater	W1-6 U1-3
C3 – practical classes	Surgical treatment of urolithiasis	W1

C4 – practical classes	One day clinic/Outpatient	U1-3
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7. LITERATURE

Obligatory

E-medicine: <http://emedicine.medscape.com/urology>

For Polish speaking students: A. Borkowski et al.: Urologia. Podręcznik dla studentów medycyny. PZWL 2008

Supplementary

Obligatory literature:

E-medicine: <http://emedicine.medscape.com/urology>

For Polish speaking students: A. Borkowski et al.: Urologia. Podręcznik dla studentów medycyny. PZWL 2008

Supplementary literature:

European Association of Urology Guidelines: <http://uroweb.org/guidelines/>

Supplementary MEDTUBE activities

QUESTIONNAIRE IPSS (LUTS):

https://qxmd.com/calculate/calculator_338/international-prostate-symptom-score-ipss

QUESTIONNAIRE IIEF-5 (ED):

https://qxmd.com/calculate/calculator_377/international-index-of-erectile-function-iief-5

Bladder Cancer Risk Calculator (NMIBC):

<https://www.eortc.be/tools/bladdercalculator/>

European Urological Association - GUIDELINES:

<https://uroweb.org/guidelines/>

American Urological Association - GUIDELINES:

<https://www.auanet.org/guidelines>

European Urology – official journal of European association of Urology:

<https://www.europeanurology.com/>

MEDICAL FILMS (available after registration):

<https://medtube.pl/users/register>

RECOMENDED FILMS:

ACUTE URINARY RETENTION

CATHETERISATION

<https://medtube.pl/urologia/filmy-medyczne/21952-cewnikowanie-pecherza-moczowego-u-kobiety>

CYSTOSTOMY

<https://medtube.pl/urologia/filmy-medyczne/21948-nadlonowa-instalacja-cewnika-do-pecherza-moczowego>

<https://medtube.pl/urologia/filmy-medyczne/21785-cystostomia>

BLADDER CANCER

CYSTOSCOPY

<https://medtube.pl/urologia/filmy-medyczne/16190-cystoskopia-animacja>

TK

<https://medtube.pl/urologia/filmy-medyczne/9805-guz-pecherza-moczowego-t4-tomografia-komputerowa>

TURBT

<https://medtube.pl/urologia/filmy-medyczne/13156-turbt-przezcewkowa-elektroresekcja-skalcyfikowanego-guza-pecherza-moczowego>

<https://medtube.pl/urologia/filmy-medyczne/21565-turbt-endoskopowa-przezcewkowa-elektroresekcja-guza-pecherza-moczowego>

<https://medtube.pl/urologia/filmy-medyczne/14879-przezcewkowa-resekcja-guza-pecherza-moczowego>

OPEN RADICAL CYSTECTOMY

<https://medtube.pl/urologia/filmy-medyczne/16159-radykalna-cystektomia-i-nadpechrzowe-odprowadzenie-moczu-sposobem-brickera>

<https://medtube.pl/urologia/filmy-medyczne/12764-radykalna-cystektomia-oszczedzajaca-nerwy-i-ortotopowe-zastapienie-pecherza-moczowego-u-kobiety>

ROBOTIC RADICAL CYSTECTOMY

<https://medtube.pl/urologia/filmy-medyczne/12783-laparoskopowa-radykalna-cystoprostatektomia-w-asystie-robota>

KIDNEY CANCER

LAPAROSCOPIC PARTIAL NEPHRECTOMY (NSS)

<https://medtube.pl/urologia/filmy-medyczne/12326-laparoskopowe-czesciowe-usuniecie-nerki-z-powodu-guza-w-przypadku-nerki-pojedynczej>

OPEN PARTIAL NEPHRECTOMY (NSS)

<https://medtube.pl/urologia/filmy-medyczne/15079-nefrektomia-czesciowa-metoda-otwarta>

LAPAROSCOPIC NEPHRECTOMY

<https://medtube.pl/urologia/filmy-medyczne/208-radykalna-nefrektomia-laparoskopowa-w-raku-nerki>

<https://medtube.pl/urologia/filmy-medyczne/12788-laparoskopowa-jednostronna-nefrektomia-endoskopowa>

PROSTATE CANCER

PROSTATE BIOPSY

<https://medtube.pl/urologia/filmy-medyczne/4338-biopsja-gruczolu-kroowego-prostaty>

OPEN RETROPUBIC PROSTATECTOMY

<https://medtube.pl/urologia/filmy-medyczne/12771-radykalna-prostatektomia-zalonowa>

LAPAROSCOPIC PROSTATECTOMY

<https://medtube.pl/urologia/filmy-medyczne/24532-laparoskopowa-radykalna-prostatektomia>

<https://medtube.pl/urologia/filmy-medyczne/16192-laparoskopowa-radykalna-prostatektomia>

<https://medtube.pl/urologia/filmy-medyczne/16234-laparoskopowa-radykalna-prostatektomia-z-zaoszczedzeniem-nerwow>

ROBOTIC PROSTATECTOMY

<https://medtube.pl/urologia/filmy-medyczne/2452-prostatektomia-z-uzyciem-robota>

<https://medtube.pl/urologia/filmy-medyczne/12791-prostatektomia>

<https://medtube.pl/urologia/filmy-medyczne/2452-prostatektomia-z-uzyciem-robota>

<https://medtube.pl/urologia/filmy-medyczne/4331-prostatektomia-robotowa-hd-davinci-czesc-2>

PHIMOSIS

CIRCUMCISION

<https://medtube.pl/urologia/filmy-medyczne/15948-obrzezanie-u-doroslego-mezczyzny>

BENIGN PROSTATIC HYPERPLASIA (BPH)

TURP

<https://medtube.pl/urologia/filmy-medyczne/2453-turp-przezcewkowa-elektroresekcja-gruczolu-kroowego>

PROSTATE ENUCLEATION

<https://medtube.pl/urologia/filmy-medyczne/21565-turbt-endoskopowa-przezcewkowa-elektroresekcja-guza-pecherza-moczowego>

UROLITHIASIS

ESWL

<https://medtube.pl/urologia/filmy-medyczne/2447-eswl-pozaustrójowe-usuwanie-kamieni-moczowych-przy-uzyciu-fali-akustycznej>

URSL

<https://medtube.pl/urologia/filmy-medyczne/2455-ureteroskopia-i-laserowa-litotrypsja-wziernikowanie-moczowodu-i-laserowe-rozkruszanie-kamieni>

<https://medtube.pl/urologia/filmy-medyczne/213-kamica-moczowodowa-ewakuacja-kamienia>

RIRS

<https://medtube.pl/urologia/filmy-medyczne/3819-metoda-rirs>

PCNL

<https://medtube.pl/urologia/filmy-medyczne/2450-pcnl-przezskorna-nefrolitotrypsja>

ECIRS (=PCNL + URS)

<https://medtube.pl/urologia/filmy-medyczne/24716-kamica-nerkowa-ecirs>

TESTICULAR HYDROCELE

HYDROCELECTOMY

<https://medtube.pl/urologia/filmy-medyczne/16821-wyciecie-wodniaka-jadra>

PENILE CANCER

PARTIAL PENECTOMY

<https://medtube.pl/urologia/filmy-medyczne/21447-czesciowa-resekcja-pracia>

AND OTHERS:

8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
e.g. G.K1, G.S1, K1	<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.W7	Test exam	2.0 (failed) less than 18 points from the test 3.0 (satisfactory) 18-21 points from the test 3.5 (rather good) 22-24 points from the test 4.0 (good) 25-26 points from the test 4.5 (more than good) 27-28 points from the test 5.0 (very good) 29-30 points from the test
F.U23, F.U24, E.U29	active participation and correct execution of tasks	Confirmed assistance to obligatory procedures

9. ADDITIONAL INFORMATION (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)

1. Practical classes take place in the Clinic of General, Oncological and Functional Urology, located Warszawa, 4 Lindleya Street, building 7, from 08.00 AM – 11.00 AM practical classes, 11.00 AM - 12.30 PM seminars.
2. Moreover, you can find seminars as presentations on the e-learning platform.
3. Practical classes are obligatory. In order to pass the course, you must attend all the classes (100% presence). In case of any absence, it can only be retake with the next course group.
4. During the practical classes students are required to wear scrubs and hospital shoes.
5. Mobile phones in the operating room are strictly forbidden.

ELECTRONIC EXAMINATION IN UROLOGY for 4th year students of the English Division 6y

We would like to inform that:

1. Students taking the exam should log in the Examination Portal, available at:

<https://egzaminy.wum.edu.pl/>

Login data for Examination Portal **are the same as for others MUW systems**. Details on logging can be found here:

<http://it.wum.edu.pl/english> **ATTENTION! Login data will also be needed to start the exam.**

2. Registration for the exam shall be possible via the Examination Portal .
3. The exam will be held in rooms **231/1** and **233/1** at the Didactic Center building (ul. Trojdena 2a) on **17.01.2021** at **1:00 PM** and **2.00 PM**
4. The exam test will consist of **30** single choice questions, time to take the exam will be **30** minutes and the passing grade: **60%**. Results will be available immediately after the test.
5. For any questions or problems with the operation of the examination system, please contact the Office for Quality and Innovation Teaching: Main Library building, room 209, tel. (22) 57 20 258, e-mail: egzaminy@wum.edu.pl

Students scientific group: Students interested in discipline should contact dr Waldemar Szabłoński in October.



OTOLARYNGOLOGY

1. IMPRINT

Academic Year	2021/2022
Department	Faculty of Medicine
Field of study	Medicine
Main scientific discipline <i>(in accordance with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)</i>	Medical science
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 Otorhinolaryngology, Head and Neck Surgery, 02-097 Warsaw Banacha 1a, tel.: (48 22) 59 92 521, (48 22) 59 91 721; e-mail: otolaryngology@wum.edu.pl

Head of Educational Unit / Heads of Educational Units	Profesor Kazimierz Niemczyk, M.D. Ph. D
Course coordinator (<i>title, First Name, Last Name, contact</i>)	Lek. Małgorzata Czesak, mczesak@wum.edu.pl Dr n.med. Klaudyna Zwierzyńska, kzwierzynska@wum.edu.pl
Person responsible for syllabus (<i>First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported</i>)	Lek. Małgorzata Czesak, mczesak@wum.edu.pl Dr n.med. Klaudyna Zwierzyńska, kzwierzynska@wum.edu.pl
Teachers	dr hab. n. med. Magdalena Lachowska, dr hab. n. med. Anna Rzepakowska, dr hab. n. med. Tomasz Gotlib, dr n. med. Jacek Sokołowski, dr n. med. Magdalena Arcimowicz, dr n. med. Barbara Jamróz, dr n. med. Arkadiusz Paprocki, lek. Małgorzata Czesak, dr n.med. Klaudyna Zwierzyńska, dr n. med. Małgorzata Litwiniuk-Kosmala, dr n.med. Magdalena Kuźmińska, lek. Paulina Kołodziejczyk, lek. Przemysław Krawczyk, lek. Jakub Pachla, lek. Maria Molga, lek. Agnieszka Jasińska, lek. Agata Szleper, lek. Patrycja Torchalla, lek. Wojciech Kimak, dr n. med. Olga Sieniawska-Buccella, lek. Michał Leszczyński.

2. BASIC INFORMATION

Year and semester of studies	4th year ; 1st semester		Number of ECTS credits	2.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation	
Contacting hours with academic teacher				
Lecture (L)		0	0	

Seminar (S)	18	0,5
Classess (C)	27	1,2
e-learning (e-L)	0	0
Practical classes (PC)	0	0
Work placement (WP)	0	0
Unassisted student's work		
Preparation for classes and completions	40	0,3

3. COURSE OBJECTIVES	
O1	Basic knowledge of head and neck anatomy and pathology. causes, clinical course, treatment methods, complications and prognosis in diseases of the ears, nose and paranasal sinuses, mouth, throat and larynx
O2	Ability of ENT examination.
O3	Principles of diagnostic and therapeutic management in head and neck cancers.
O4	Rules of conduct in emergency situations in otorhinolaryngology, in particular breathlessness laryngeal, nose bleeding, fractures.
O5	Principles of diagnostic and therapeutic procedures in disorders of hearing, voice and speech.

4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING <i>(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)</i>	
Code and number of effect of learning in accordance with standards of learning <i>(in accordance with appendix to Regulation of Minister of Science and Higher education from 26th of July 2019)</i>	Effects in time
Knowledge – Graduate* knows and understands:	
F.W1	Causes, symptoms, principles of diagnosis and therapeutic procedure in relation to the most common diseases requiring surgical intervention, taking into account the differences in childhood
F.W3	Qualification rules for basic surgical procedures and invasive diagnostic and therapeutic procedures, rules for their performance and the most common complications
F.W10	Problems of imaging tests used today, in particular: 1) Radiological symptomatology of basic otolaryngology diseases

F.W12	Issues in the field of ENT, phoniatics and audiology, including: a. reasons, clinical outcome, treatment, prognosis and complications in diseases of the ear, nose, paranasal sinuses, oral cavity, pharynx and larynx in adults b. diseases of the facial nerve and selected structures in the neck, c. rules of diagnostic and therapeutic procedures in case of ear, nose, throat and esophagus trauma. d. the rules of conduct in emergency situations in otorhinolaryngology, especially in laryngeal dyspnea, e. rules of diagnostic and therapeutic procedures in disorders of hearing, voice and speech, f. rules of diagnostic and therapeutic procedures in head and neck tumors.
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Skills– Graduate* is able to:

F.U1	Assist with a typical surgery, prepare the surgical field and local anesthetize the operated area.
F.U2	Use basic surgical tools.
F.U3	Follow the rules of aseptic and antiseptic.
F.U4	Treat a simple wound, apply and change a sterile surgical dressing.
F.U9	Supply external bleeding.
E.U6	Perform indicative hearing and field of vision as well as otoscopic examination.
F.U25	Performs basic study ENT: ear, nose, throat and larynx.
F.U26	Student carries out whispered voice test to evaluate hearing in adults.

* 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 (non-compulsory)

Number of effect of learning	Effects of learning i time
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Knowledge – Graduate knows and understands:

A.W1	Anatomical, histological and embryological terminology in English.
C.W26	Pathomorphological nomenclature.
D.W6	The importance of verbal and non-verbal communication in the process of communication with the patient and the concept of trust in interaction with the patient.
E.W1	Environmental and epidemiological conditions of the most common diseases.
E.W7	Causes, symptoms, principles of diagnosis and therapeutic procedure in relation to the most common internal diseases occurring in adults and their complications: 8) Allergic diseases, including anaphylaxis and anaphylactic shock, as well as angioedema
E.W23	Environmental and epidemiological conditions of the most common cancers.
E.W28	Principles of palliative care with a terminal patient.

Skills– Graduate is able to:

D.U1	Take into account the patient's subjective needs and expectations arising from socio-cultural conditions in the therapeutic process.
D.U4	Build an atmosphere of trust during the diagnostic and treatment process.
E.U1	Conduct a medical interview with an adult patient
E.U7	Assess the general condition, the patient's state of consciousness and awareness.
E.U12	Perform differential diagnosis of the most common adult diseases.
E.U14	Recognize life threatening conditions.
E.U29	Perform basic medical procedures and procedures including: 1) Body temperature measurement (superficial and deep), heart rate measurement, non-invasive blood pressure measurement 2) Swabs for nose, throat and skin
E.U32	Plan specialist consultations

Social Competencies – Graduate is ready for:

SC1	The student is able to establish and maintain deep and respectful contact with the patient.
SC2	The student is guided by the good of the patient, putting them first.
SC3	The student respects medical confidentiality and patient's rights.
SC4	The student is aware of their own limitations and the ability to constantly improve their education.

6. CLASSES		
Form of class	Class contents	Effects of Learning
Seminar	S1 (Seminar 1) - Epistaxis. Dr A. Paprocki S2 (Seminar 2) - Fractures of the ENT region. Doc. A. Rzepakowska S3 (Seminar 3) – Carcinoma of oropharynx and oral cavity. Dr B. Jamróz S4 (Seminar 4) - Laryngeal and hypopharyngeal carcinoma. Dr B. Jamróz S5 (Seminar 5) - Carcinoma of nasopharynx Dr B. Jamróz S6 (Seminar 6) Carcinoma of paranasal sinuses. Dr B. Jamróz S7 (Seminar 7) - Rhinosinusitis. Doc. T. Gotlib S8 (Seminar 8) – Diagnosis and management of dizzy patient. Dr B. Jamróz S9 (seminar 9) - Rhinitis. Dr M. Arcimowicz S10 (Seminar 10) Facial nerve palsy. Dr A. Paprocki S11 (Seminar 11) Stridor. Dr J. Sokołowski S12 (Seminar 12) Foreign bodies in the aerodigestive tract. Dr J. Sokołowski	A.W1 C.W26 D.W6 E.W1 E.W7 E.W23 E.W28

	<p>S 13 (Seminar 13) - Complications of inflammatory diseases in otolaryngology. Dr J. Sokołowski</p> <p>S14 (Seminar 14) - Otitis externa Doc. M. Lachowska</p> <p>S15 (Seminar 15) Otitis media. Otalgia. Doc. M. Lachowska</p> <p>S16 (Seminar 16) - Hearing disorders. Doc. M. Lachowska</p> <p>S17 (Seminar 17) - Neck masses. Salivary glands. Doc. A. Rzepakowska</p> <p>S18 (Seminar 18) - Tonsils and adenoid - when is surgery indicated? Sleep apnea. Doc. A. Rzepakowska</p>	
Practical classes	<p>C1-4 (Classes 1-4) - ENT examination: oral cavity, anterior and posterior rhinoscopy, otoscopy, indirect laryngoscopy.- U25</p> <p>C5 (Classes 5) – Emergency room – U25</p> <p>C6 (Classes 6) – Operating room – U25</p> <p>C7 (Classes 7) – Labs – U26</p>	<p>D.U1</p> <p>D.U4</p> <p>E.U1</p> <p>E.U7</p> <p>E.U12</p> <p>E.U14</p> <p>E.U29</p> <p>E.U32</p> <p>SC1</p> <p>SC2</p> <p>SC3</p> <p>SC4</p>

7. LITERATURE

Obligatory

1. ENT secrets, edited by Bruce W. Jafek, Bruce W. Murrow. - 3rd ed., Philadelphia, PA : Elsevier-Mosby, - The Secrets series.
2. Cummings Otolaryngology - Head and Neck Surgery, 3-Volume Set: Expert Consult: Online and Print (Otolaryngology Cummings) 5th Edition.

Supplementary

1. Current diagnosis and treatment in otolaryngology: head and neck surgery, New York: McGraw-Hill, 2004, LANGE medical.
2. Essentials of otolaryngology / Eds.: Frank E. Lucente; Eds.: Gady Har-El., Wydanie 5th ed., Philadelphia : Lippincott Williams & Wilkins, 2004.

8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
All	Final test, report	<p>2.0 (failed) 0-20 points</p> <p>3.0 (satisfactory) 21-25 points</p> <p>3.5 (rather good) 26-27 points</p> <p>4.0 (good) 28-30 points</p> <p>4.5 (more than good) 31-32 points</p> <p>5.0 (very good) 33-35 points</p>
U25	The correct execution of examinations on exercises	

U26	The correct execution of examinations on exercises	
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9. ADDITIONAL INFORMATION (*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*)

It is mandatory to change shoes and have a white coat. Basic knowledge of head and neck anatomy is required, as well as entry knowledge for a specific seminar. There may be tests or pre-seminar checkups.

Medical confidentiality applies to students undergoing exercises at the Clinic (this applies to working at the patient's bed, in the operating theater, as well as all medical records of the patient). Students are not allowed to provide information about the patient's condition, test results and the patient's treatment. All discussions about the patient (diagnosis, treatment, prognosis) may take place only without the patient's participation outside the patient's room, without the participation of other people. It is strictly forbidden to take photos and record videos in any way showing patients, medical procedures or medical documentation.



PEDIATRIC OTOLARYNGOLOGY

1 IMPRINT

Academic Year	2021/2022
Department	Faculty of Medicine
Field of study	Medicine
Main scientific discipline (in accordance with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)	Medical science
Study Profile (general academic / practical)	General academic
Level of studies (1 st level / 2 nd level / uniform MSc)	uniform MSc
Form of studies	full time studies
Type of module / course (obligatory / non-compulsory)	obligatory
Form of verification of learning outcomes (exam / completion)	exam
Educational Unit / Educational Units (and address / addresses of unit / units)	Department of Pediatric Otorhinolaryngology 02-091 Warsaw, Żwirki i Wigury 63A Phone: 48 22 31 79 721; e-mail: laryngologia.dsk@uckwum.pl

Head of Educational Unit / Heads of Educational Units	Lidia Zawadzka-Głos MD PhD lidia.zawadzka-glos@wum.edu.pl
Course coordinator (<i>title, First Name, Last Name, contact</i>)	Piotr Kwast MD, pkwast@wum.edu.pl
Person responsible for syllabus (<i>First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported</i>)	Piotr Kwast MD, pkwast@wum.edu.pl
Teachers	Elżbieta Niemczyk-Cieślak MD PhD Karolina Raczkowska-Łabuda MD Piotr Kwast MD Maciej Pilch MD Maria Wolniewicz MD Alicja Piotrowska MD Tomasz Lis MD

2 BASIC INFORMATION

Year and semester of studies	4th year ; 7th semester	Number of ECTS credits	1.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation
Contacting hours with academic teacher			
Lecture (L)			
Seminar (S)		6	0,25
Classes (C)		9	0,25
e-learning (e-L)			
Practical classes (PC)			
Work placement (WP)			
Unassisted student's work			
Preparation for classes and completions		20	0,5

3 COURSE OBJECTIVES

O1	Basic knowledge of head and neck pathology in children: causes, clinical course, treatment methods, complications and prognosis in diseases of the ears, nose and paranasal sinuses, mouth, throat and larynx.
O2	Ability of performing ENT examination in children and adolescents
O3	Ability to assess and act accordingly in acute states in pediatric ENT such as trauma.
O5	Knowledge of care in a pediatric patient with a tracheostomy.

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*)

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

F.W1	Causes, symptoms, principles of diagnosis and therapeutic procedures available in the most common head and neck diseases in children
F.W3	Qualification rules for basic surgical procedures and invasive diagnostic and therapeutic procedures, rules for their performance and the most common complications in children
F.W10	Radiological symptomatology of basic otolaryngology diseases in children
F.W12	Issues in the field of pediatric ENT including causes, clinical course and outcome, treatment, prognosis and complications in the most common diseases of the ear, nose, paranasal sinuses, oral cavity, pharynx and larynx in children and rules of conduct in acute states in pediatric otorhinolaryngology.

Skills– Graduate* is able to:

F.U1	Assist with a typical surgery, prepare the surgical field and local anesthetize the operated area.
F.U2	Use basic surgical tools.
F.U3	Follow the rules of aseptic and antiseptic.
F.U4	Treat a simple wound, apply and change a sterile surgical dressing.
F.U9	Supply external bleeding.
E.U6	Perform indicative hearing and field of vision as well as otoscopic examination.
F.U25	Performs basic study ENT: ear, nose, throat and larynx.
F.U26	Student carries out whispered voice test to evaluate hearing in children.

* 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 (non-compulsory)	
Number of effect of learning	Effects of learning in time
Knowledge – Graduate knows and understands:	
A.W1	Anatomical, histological and embryological terminology in English.
C.W26	Pathomorphological nomenclature.
D.W6	The importance of verbal and non-verbal communication in the process of communication with the patient and the concept of trust in interaction with the patient.
E.W1	Environmental and epidemiological conditions of the most common diseases.
Skills– Graduate is able to:	
D.U1	Take into account the patient's subjective needs and expectations arising from socio-cultural conditions in the therapeutic process.
D.U4	Build an atmosphere of trust during the diagnostic and treatment process.
E.U1	Conduct a medical interview with an adult patient.
E.U7	Assess the general condition, the patient's state of consciousness and awareness.
E.U12	Perform differential diagnosis of the most common children's diseases.
E.U14	Recognize life threatening conditions.
E.U32	Plan specialist consultations.
Social Competencies – Graduate is ready for:	
SC1	The student is able to establish and maintain deep and respectful contact with the patient.
SC2	The student is guided by the good of the patient, putting them first.
SC3	The student respects medical confidentiality and patient's rights.
SC4	The student is aware of their own limitations and the ability to constantly improve their education.

6 CLASSES		
Form of class	Class contents	Effects of Learning
Seminar	S1-Seminar 1 – Pharynx. Hypertrophy of tonsils and adenoids. Infectious diseases of the pharynx. Immunologic aspects of upper respiratory system diseases.	

	<p>S2-Seminar 2- Nose and sinuses. Rhinitis. Rhinosinusitis in children: complications, surgical treatment - FESS. Nasal trauma. Choanal atresia.</p> <p>S3-Seminar 3- Ear. External otitis. Otitis media. Complication of otitis media. Audiology: conductive and sensorineural hearing loss – differentiation, diagnostic, causes. Hearing screening of newborns.</p> <p>S4-Seminar 4- Larynx and airways: airway obstruction, epistaxis, foreign bodies in the ear, respiratory tract and oesophagus. Larynx and trachea: congenital anomalies, inflammatory diseases.</p>	
Classes	C1-3 (Practical classes 1-3) - ENT examination: oral cavity, anterior rhinoscopy, otoscopy. Patient cases review and discussion. Operating room and endoscopy.	

7 LITERATURE

Obligatory

- 1 Paediatric Otorhinolaryngology, (ed.) Chmielik M.: Medical University of Warsaw, 2010

Supplementary

- 1 Paediatric Otolaryngology. (ed.) Ch.D. Bluestone. Saunders Elsevier-Science (USA), 2003.

8 VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
All	Final test, conducted together with the Department of Otolaryngology, Head and Neck Surgery.	<p>2.0 (failed) 0-20 points</p> <p>3.0 (satisfactory) 21-25 points</p> <p>3.5 (rather good) 26-27 points</p> <p>4.0 (good) 28-30 points</p> <p>4.5 (more than good) 31-32 points</p> <p>5.0 (very good) 33-35 points</p>
All	Completion of the e-learning course	

9 ADDITIONAL INFORMATION (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)

Classes take place during the first week of the Otolaryngology course on Monday, Tuesday and Wednesday. Students are asked to arrive at 8:30 to the Department's seminar room in the Pediatric Hospital (DSK UCK WUM, Żwirki i Wigury 63A) in the department 4H (4th floor) after changing in the student's cloakroom downstairs. It is mandatory to change shoes.

It is mandatory for all students to wear an ID badge during classes.

Any planned absence during the course must be reported beforehand and each absent day must be taken with another group

during the same semester. In case of additional problems please refer to the Department's secretary's office:
laryngologia.dsk@uckwum.pl

The e-learning course is opened on the University's e-learning platform (e-learning.wum.edu.pl/en) for all groups at the beginning of the semester and must be finished by all students before the faculty meeting preceding the final exam. It is a good idea to complete the e-learning course before or during the Otolaryngology course.

Basic knowledge of head and neck anatomy is required.

Medical confidentiality applies to students undergoing exercises at the Clinic (this applies to working at the patient's bed, in the operating theater, as well as all medical records of the patient). Students are not allowed to provide information about the patient's condition, test results and the patient's treatment.

All discussions about the patient (diagnosis, treatment, prognosis) may take place only without the patient's participation outside the patient's room, without the participation of other people.

It is strictly forbidden to take photos and record videos during classes and especially in any way showing patients, medical procedures or medical documentation.

Please note, that practical classes may be partially or completely conducted remotely, according to the University's current official regulations.



Clinical pharmacology

1. IMPRINT

Academic Year	2021 / 2022
Department	Faculty of Medicine
Field of study	Medicine
Main scientific discipline (in accordance with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)	Medical science
Study Profile (general academic / practical)	general academic
Level of studies (1 st level / 2 nd level / uniform MSc)	uniform MSc
Form of studies	Full time studies
Type of module / course (obligatory / non-compulsory)	obligatory
Form of verification of learning outcomes (exam / completion)	exam
Educational Unit / Educational Units (and address / addresses of unit / units)	Chair and Department of Experimental and Clinical Pharmacology Centre for Preclinical Research and Technology CePT, Banacha 1b, 02-927 Warsaw, tel. (+48) 022 1166160

Head of Educational Unit / Heads of Educational Units	Prof. Dagmara Mirowska-Guzel MD, PhD, SciD tel. (+48) 022 1166160
Course coordinator (<i>title, First Name, Last Name, contact</i>)	Maciej Niewada MD, PhD, SciD tel. (+48) 691745377
Person responsible for syllabus (<i>First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported</i>)	Maciej Niewada MD, PhD, SciD tel. (+48) 691745377
Teachers	Ewa Widy-Tyszkiewicz MD, PhD, SciD Aleksandra Wiśłowska-Stanek MD, PhD, SciD Iwona Korzeniewska-Rybicka MD, PhD Jan Bemberek MD, PhD. Justyna Pyrzanowska MD, PhD Maciej Niewada MD, PhD, SciD Wojciech Masełbas MD, PhD

2. BASIC INFORMATION			
Year and semester of studies	IV year 7 semester	Number of ECTS credits	5.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation
Contacting hours with academic teacher			
Lecture (L)		15	1
Seminar (S)		15	1
Classes (C)		20	1
e-learning (e-L)			
Practical classes (PC)			
Work placement (WP)			
Unassisted student's work			
Preparation for classes and completions		50	2

3. COURSE OBJECTIVES	
O1	Acquisition of facts, concepts and principles of rational pharmacotherapy in clinical practice.
O2	Understanding the basic benefits, dangers and difficulties associated with drug use.

4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING (<i>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</i>)	
Code and number of effect of learning in accordance with standards of learning <i>(in accordance with appendix to Regulation of Minister of Science and Higher education from 26th July 2019)</i>	

Knowledge – Graduate* knows and understands:

G.K1	<p>E.W3. causes, symptoms, principles of diagnosis and therapeutic management for the most common diseases of children</p> <p>E.W6. the most common life-threatening conditions in children and rules of conduct in these states;</p> <p>E.W7. treatment procedures of the most frequent internal diseases and their complications in adult patients:</p> <ol style="list-style-type: none"> 1) circulatory system diseases, including coronary heart disease, heart defects, endocardium disease, cardiomyopathy, pericardium diseases, cardiac failure (acute and chronic), artery and vein diseases, hypertension: essential and secondary, pulmonary hypertension, 2) respiratory system diseases, including respiratory tract diseases, chronic obstructive pulmonary disease, bronchial asthma, bronchiectasis, cystic fibrosis, respiratory system infections, interstitial lung diseases, pleural diseases, mediastinal disorders, obstructive and central sleep apnoea, respiratory failure (acute and chronic), respiratory system cancers, 3) digestive system diseases, including oral cavity, oesophagus, stomach and duodenum, intestine, pancreas, liver, bile duct and gall bladder diseases, 4) endocrine system diseases, including hypothalamus and pituitary gland, thyroid, parathyroid glands, the cortex and medulla of adrenal glands, ovaries, testicles disease, as well as neuroendocrine tumours, polyendocrine syndromes, different types of diabetes and metabolic syndrome: hypoglycaemia, obesity, dyslipidaemia, 5) renal and urinary tract diseases, including acute and chronic renal failure, glomerulus and interstitial renal diseases, renal cysts, nephrolithiasis, urinary system infections, urinary system cancers, including bladder tumour and kidney cancer, 6) haematological system diseases, including marrow aplasia, anaemia, granulocytopenia and agranulocytosis, thrombocytopenia, acute leukaemia, myeloproliferative, myelodysplastic and myeloproliferative cancers, myelodysplastic syndromes, mature B and T lymphocyte cancers, haemorrhagic diathesis, thrombosis, states of direct threat to life in haematology, blood disorders in other organ diseases, 7) rheumatic diseases, including systemic diseases of connective tissue, systemic vasculitis, arthritis with the involvement of the spine, bone metabolic diseases, in particular osteoporosis and osteoarthritis, gout, 8) allergic diseases, including anaphylaxis and anaphylactic shock and angioedema, 9) water-electrolytic disturbances and acid-base disturbances, dehydration, hyperhydration, electrolyte imbalance, acidosis and alkalosis; <p>E.W10. basic principles of pharmacotherapy of diseases of the elderly;</p> <p>E.W14 therapeutic treatment in the most common diseases of the nervous system, including:</p> <ol style="list-style-type: none"> 1) headaches: migraine, tension headache and headache syndrome and nerve V neuralgia, 2) cerebrovascular diseases, in particular cerebral infarction, 3) epilepsy,
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	<p>4) infections of the nervous system, in particular meningitis, Lyme disease, herpetic encephalitis, neurotransmission diseases,</p> <p>5) dementia, in particular Alzheimer's disease, frontal dementia, vascular dementia and other dementia syndromes,</p> <p>6) diseases of the basal ganglia, in particular Parkinson's disease,</p> <p>7) demyelinating diseases, in particular multiple sclerosis,</p> <p>8) diseases of the neuromuscular system, in particular amyotrophic lateral sclerosis and sciatica,</p> <p>9) cranial-cerebral injuries, in particular concussion;</p> <p>E.W17. therapeutic treatment of the most common mental illnesses, including:</p> <p>1) schizophrenia,</p> <p>2) affective disorders,</p> <p>3) neurotic and adaptive disorders,</p> <p>4) eating disorders,</p> <p>5) disorders associated with the use of psychoactive substances;</p> <p>6) sleeping disorders;</p> <p>E.W18. principles of diagnostics and emergency procedures in psychiatry, including the problem of suicides;</p> <p>E.W19. the specificity of mental disorders and their treatment in children, adolescents and in the period old age;</p> <p>E.W25. possibilities of modern cancer therapy, including therapy multimodal, the prospects of cell and gene therapies and their undesirable effects;</p> <p>E.W26. principles of combination therapies in oncology, algorithms for diagnostic and -medicine in the most common neoplasms;</p> <p>E.W27. principles of therapeutic management of the most common problems palliative medicine, including:</p> <p>1) symptomatic treatment of the most common somatic symptoms,</p> <p>2) the most frequent emergencies in palliative medicine;</p> <p>E.W29. principles of pain management, including cancer and chronic pain;</p> <p>E.W34. causes, symptoms, principles of diagnosis and therapeutic management and prophylactic in the most common bacterial and viral diseases, parasitic and mycoses, including pneumococcal and viral infections hepatitis, acquired immune deficiency syndrome (AIDS), sepsis and nosocomial infections;</p> <p>E.W36. causes, symptoms, principles of diagnosis and therapeutic management in the most common sexually transmitted diseases;</p> <p>E.W37. causes, symptoms, principles of diagnosis and therapeutic management in the most common hereditary diseases;</p> <p>E.W38. causes, symptoms, principles of diagnosis and therapeutic management in the most common diseases and specific problems in the practice of the doctor family life;</p> <p>E.W42. indications for the implementation of monitored therapy;</p> <p>E.W43. basic pharmacoeconomic concepts;</p> <p>G.W8. legal regulations and basic methods regarding the medical experiment and conducting other medical research, including basic methods of data analysis;</p> <p>G.W10. basic regulations in the field of pharmaceutical law;</p>
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Skills– Graduate* is able to:

G.S1	<p>E.U15. recognize the condition after consuming alcohol, drugs and other stimulants;</p> <p>E.U16. plan diagnostic, therapeutic and prophylactic procedures;</p> <p>E.U17. analyze possible side effects of individual drugs and their interactions;</p> <p>E.U18. propose individualisation of current therapeutic guidelines and others methods of treatment in the face of ineffectiveness or contraindications to therapy standard;</p> <p>E.U19. recognize the symptoms of drug dependence and propose treatment measures;</p> <p>E.U31. interpret pharmaceutical characteristics of medicinal products and critically evaluate advertising material about drugs</p> <p>E.U33. implement basic treatment procedures in acute poisonings;</p> <p>E.U34. monitor the condition of a patient poisoned with chemicals or drugs;</p>
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* 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	
K2	
Skills– Graduate is able to:	
S1	
S2	
Social Competencies – Graduate is ready for:	
SC1	
SC2	

6. CLASSES		
Form of class	Class contents	Effects of Learning
Seminars and practical classes:	<ol style="list-style-type: none"> 1. Clinical trials and drug development. Good clinical practice. On label and off label use of drugs. 2. Therapy of asthma and chronic obstructive pulmonary disease 3. Psychoses and behavioral emergencies treatment. Headaches. 4. Therapy of mood disorders 5. Ischaemic heart disease treatment; VTE/PE prevention and treatment. 6. Hypertension and heart failure treatment guidelines. 7. Chemotherapy of microbial diseases – rationale, guidelines and every day practice. 8. Pharmacology of GI disorders – peptic ulcer, GERD, IBDs, pancreatitis and liver cirrhosis. 9. Herbal treatment. Food supplements. 10. Pharmacology of emergencies and acute states. 11. Clinical pharmacology of neurological disorders (stroke, epilepsy, and migraine treatment) 12. Analgesics and the control of pain 13. Endocrine system and metabolic disorders treatment 	EW3-EW43 GW8, GW10 EU15- EU34
Lectures	<ol style="list-style-type: none"> 1. Pharmacoeconomics and outcomes research. Health technology assessment – focus on drugs. 2. Biotechnological drugs 3. Pharmacovigilance. 4. Pharmacogenomics. 5. Clinical pharmacology of cardiovascular drugs – Cardiovascular risk control. 	EW3-EW43 GW8, GW10 EU15-EU34

	6. Cardiac arrhythmias treatment 7. Skin disorders treatment 8. Therapy of poisoned patient 9. Therapeutic drug monitoring. 10. Special aspects of geriatric pharmacology 11. Prenatal and pediatric pharmacology 12. Individual variation and drug interactions 13. Movement disorders and degenerative CNS diseases.	
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7. LITERATURE

Obligatory

1. Humphrey P. Rang, James M. Ritter, Rod J. Flower, Graeme Henderson. Rang & Dale's Pharmacology, 9th Edition. 2018.
2. Bertram G. Katzung. Basic and Clinical Pharmacology 15th Edition. 2020.
3. Katzung & Trevor's Pharmacology Examination and Board Review, Mcgraw Hill Education & Medic, 13th Edition, 2021.
4. Goodman and Gilman's The Pharmacological Basis of Therapeutics. Laurence Brunton, Bjorn Knollman, Randa Hilal-Dandan, McGraw-Hill Education, 13th Edition. 2017.

Supplementary

1. Paweł Krząścik, Przemysław Mikołajczak. Pharmacology in a nutshell. 2017. 1st Edition. ISBN: 978-83-941043-2-0
2. Lippincott Illustrated Reviews: Pharmacology, 7th edition, Karen Whalen PharmD, BCPS, Publication Date October 2, 2018
3. BRS Pharmacology, Author(s): Sarah Lerchenfeldt, Gary Rosenfeld Ph.D., 7th edition, publication date: August 12, 2019
4. Guidelines of medical societies. www.guidelines.gov and regulatory agencies: ema.europa.eu; fda.gov

8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
EW3-EW43 GW8, GW10 EU15-EU34	Attendance Multiple choice test or oral exam	>50% <i>Grade and criteria:</i> 2,0 (unsatisfactory) <=50% 3,0 (satisfactory) 51-58% 3,5 (better than satisfactory) 59-68% 4,0 (good) 69-78% 4,5 (better than good) 79-88% 5,0 (very good) >=89%

9. ADDITIONAL INFORMATION (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)

Students are obliged to attend all practical classes and seminars with the group assigned only (individual arrangements are to be approved in written (mail) in advance).

On completion of the course students take final exam covering 3 semesters (both pharmacology and toxicology and clinical pharmacology). To be qualified for the exam both colloquiums at the end of each semester of pharmacology and toxicology need to be successfully passed.

Erasmus students who would like to take clinical pharmacology only are having exam limited to the scope of clinical pharmacology and only if they reported pharmacology and toxicology training in their home university.

Rules on final exam Q&A tests:

1. Students are informed about the date/time and the venue for Q&A tests either for semester colloquium or final exam at least one month in advance.
2. Students are expected to arrive at the venue at least 15 minutes before test start. Those who are late more than 15 minutes after the test start are not allowed to enter and are kindly invited for the retake.
3. To facilitate students identification ID document (preferably student record book) need to be presented, otherwise student are not allowed to take the test.
4. Students are asked to wait outside the room and can enter only following identification confirmed.
5. Students are allocated the individual place which is pointed by supervisor.
6. **The test is based on student individual work - unauthorized materials (including revision notes) and mobile phones are disallowed. Communication with any person during the exam, other than the supervisor, is prohibited and can be the cause for student banning.**
7. For Q&A tests only one answer is correct.
8. To pass the test students need to provide 50% + 1 (i.e. 51 for 100 questions) correct answers. The final individual score is based on the number of correct answers provided and other students' performance (the distribution of test results).
9. The form and the time of retake is individually decided with the teacher.
10. Test results are made available on the Department website as soon as possible.



Pediatric Imaging Diagnostics

1. IMPRINT

Academic Year	2021/2022
Department	Faculty of Medicine
Field of study	Medicine
Main scientific discipline (in accord with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)	Medical science
Study Profile (general academic / practical)	General academic
Level of studies (1 st level / 2 nd level / uniform MSc)	Uniform MSc
Form of studies	Full time studies
Type of module / course (obligatory / non-compulsory)	Obligatory
Form of verification of learning outcomes (exam / completion)	Credit
Educational Unit / Educational Units (and address / addresses of unit / units)	DEPARTMENT OF PEDIATRIC RADIOLOGY (2MD) 63a Żwirki i Wigury St., 02-091 Warsaw tel. 22 317 92 81, e-mail: radiologia.dsk@uckwum.pl

Head of Educational Unit / Heads of Educational Units	Michał Brzewski MD PhD
Course coordinator (<i>title, First Name, Last Name, contact</i>)	Dominik Nguyen, MD PhD
Person responsible for syllabus (<i>First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported</i>)	Dominik Nguyen, MD PhD
Teachers	Michał Brzewski, MD, PhD Remigiusz Krysiak, MD Dominik Nguyen, MD Ayad Al-Janabi, MD

2. BASIC INFORMATION				
Year and semester of studies	IV year, 7 & 8 semester		Number of ECTS credits	2.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation	
Contacting hours with academic teacher				
Lecture (L)				
Seminar (S)		18	2.0	
Classes (C)				
e-learning (e-L)				
Practical classes (PC)				
Work placement (WP)				
Unassisted student's work				
Preparation for classes and completions				

3. COURSE OBJECTIVES	
O1	The course program offers to students the basic information connected with: 1. practical algorithms in diagnostic imaging in pediatrics,
O2	2. assessment of several diagnostic imaging modalities (X-ray, ultrasound, computed tomography, magnetic resonance) applied to the most common clinical conditions in pediatrics.

O3	
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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*)

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

G.K1/ F.W10	problems of contemporary imaging studies, in particular: 1) radiological symptomatology of basic diseases, 2) Instrumental methods and imaging techniques used to perform therapeutic procedures, 3) indications, contraindications and preparation of patients for particular types of imaging examinations and contraindications to the use of contrast agents;
G.K2	

Skills– Graduate* is able to:

G.S1/ A.U4	correlate the relationships between the anatomical structures on the basis of in vivo diagnostic studies, especially medical imaging (X-ray, contrast-enhanced studies, computed tomography, magnetic resonance imaging)
G.S2/ F.U7	assess the result of radiographic studies in terms of the most frequent kinds of fractures, especially long bone fractures;

* 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 (*non-compulsory*)

Number of effect of learning	Effects of learning i time
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Knowledge – Graduate knows and understands:

F.W1: 1, 2, 3, 4.	causes, symptoms, principles of diagnosis and therapeutic treatment in relation to the most common diseases requiring surgical intervention taking into account the distinctions of childhood, in particular: 1) acute and chronic diseases of abdominal cavity, 2) chest diseases, 3) limb and head diseases, 4) bone fractures and organ injuries;
B.W8	physical bases of non-invasive imaging techniques;
E.W3: 2, 3, 4, 5, 6, 9	causes, symptoms, principles of diagnosis and therapeutic treatment of the most common diseases in children:

	<ul style="list-style-type: none"> 2) heart defects, myocarditis, endocarditis and pericarditis, cardiomyopathy, abnormal heart rhythm, cardiac failure, hypertension, syncope, 3) acute and chronic diseases of the upper and lower respiratory tract, congenital defects of the respiratory tract, tuberculosis, cystic fibrosis, asthma, allergic rhinitis, urticaria, anaphylactic shock, angioedema, 4) anaemia, bleeding diatheses, marrow failure, cancers in children, including solid tumours typical of childhood, 5) acute and chronic abdomen pain, vomiting, diarrhoea, constipations, alimentary canal bleedings, peptic ulcer disease, non-specific intestine diseases, pancreas diseases, cholestasis and liver diseases and other acquired diseases and congenial defects of the alimentary canal, 6) urinary system infections, congenial defects of the urinary system, nephrotic syndrome, nephrolithiasis, acute and chronic renal failure, acute and chronic renal inflammations, systemic renal diseases, urination disorders, vesicoureteral reflux, 9) the most frequent infectious diseases in childhood,
E.W6	the most common life threatening conditions in children and the management of these conditions

Skills– Graduate is able to:

B.U1	apply physical phenomena to explain the effects of external factors, such as temperature, acceleration, pressure, electromagnetic field and ionising radiation on the human organism and its components;
B.U2	assess the health effects of absorption of a given dose of ionising radiation and observe the radiation protection rules
E.U12	perform the differential diagnosis of the most common diseases in adults and children
E.U16	plan diagnostic, therapeutic and preventive treatment

Social Competencies – Graduate is ready for:

SC1	
SC2	

6. CLASSES		
Form of class	Class contents	Effects of Learning
Seminars:	<ul style="list-style-type: none"> 1. K1, S1 - Diagnostic imaging in respiratory tract diseases in children – Remigiusz Krysiak, MD 2. K1, S1 - Diagnostic imaging and interventional procedures in children with congenital heart diseases – Remigiusz Krysiak, MD 3. K1, S1 - Diagnostic imaging in urinary tract diseases in children – Ayad Al-Janabi, MD 4. K1, S1 - Diagnostic imaging in gastrointestinal tract diseases in children – Dominik Nguyen, MD. 	

7. LITERATURE

Obligatory

1. H.E. Daldrup-Link: Essentials of Pediatric Radiology: A Multimodality Approach. Cambridge Medicine

Supplementary

1. J.O. Haller, T.L. Slovis: Pediatric Radiology. Springer, II nd ed.

8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
e.g. G.K1, G.S1, K1	<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>
	Multiple choice question test (MCQ)	50% of correct answers
	Attendance reports from classes / participation in online activities	In order to complete the course with a positive score, the students have to attend and/or view all classes and materials provided.

9. ADDITIONAL INFORMATION (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)

The course takes place from Wednesday to Friday according to the semester plan. Seminars start at 8.30 and last until 1pm if not otherwise stated.

Classes are stationary, unless changes are announced during the semester depending on the pandemic situation – **possible changes include hybrid teaching and/or e-learning performed both either Microsoft Teams or e-learning platform.**

Stationary classes take place in room 106 in Library Center (group 2 - winter) and the main Rectorate building, room 602 (groups: 1, 3, 4 - spring), if not otherwise announced.

Stationary and/or online live classes are completed via attendance. E-learning course participation will be verified via a test.



Surgery

1. IMPRINT	
Academic Year	2021/2022
Department	Faculty of Medicine
Field of study	Medicine
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 science
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>	Credit
Educational Unit / Educational Units <i>(and address / addresses of unit / units)</i>	Department of General, Transplant and Liver Surgery, Medical University of Warsaw (1WB1) 1a Banacha St., 02-097 Warsaw tel. 22 599 25 45, e-mail: hepaclin@wum.edu.pl

Head of Educational Unit / Heads of Educational Units	Professor Krzysztof Zieniewicz MD. PhD
Course coordinator (<i>title, First Name, Last Name, contact</i>)	Ass. Prof. Oskar Kornasiewicz MD., PhD. Michał Skalski MD, PhD e-mail:
Person responsible for syllabus (<i>First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported</i>)	Ass. Prof. Oskar Kornasiewicz MD., PhD. Michał Skalski MD, PhD e-mail:
Teachers	<p>Prof. Krzysztof Zieniewicz, MD., PhD., Prof. of Surgery</p> <p>Prof. Michał Grąt, MD., PhD., Prof. of Surgery</p> <p>Prof. Rafał Paluszkiwicz, MD., PhD., Prof. of Surgery</p> <p>Prof. Waldemar Patkowski, MD., PhD., Prof. of Surgery Prof. Tadeusz Wróblewski, MD., PhD., Prof. of Surgery</p> <p>Prof. Marek Krawczyk, MD. PhD., Prof. of Surgery</p> <p>Ass. Prof. Krzysztof Dudek, MD., PhD.</p> <p>Ass. Prof. Oskar Kornasiewicz MD., PhD.</p> <p>Dr. Wojciech Figiel, MD., PhD</p> <p>Dr. Mariusz Grodzicki, MD., PhD.</p> <p>Dr. Piotr Kalinowski, MD., PhD.</p> <p>Dr. Marcin Kotulski, MD., PhD.</p> <p>Dr. Maciej Krasnodębski, MD., PhD.</p> <p>Dr. Michał Skalski, MD., PhD.</p> <p>Dr. Piotr Smoter, MD., PhD.</p> <p>Dr. Ireneusz Grzelak, MD., PhD.</p> <p>Dr. Wacław Hołówko, MD.</p> <p>Dr. Marcin Morawski, MD</p> <p>Dr. Jan Stypułkowski, MD.</p> <p>Dr. Sławomir Kozieł, MD.</p> <p>Dr. Joanna Ligocka, MD.</p> <p>Dr. Łukasz Nazarewski, MD.</p> <p>Dr. Małgorzata Nowosad, MD.</p> <p>Dr. Marta Przybysz, MD.</p> <p>Dr. Rafał Stankiewicz, MD.</p>

2. BASIC INFORMATION				
Year and semester of studies	IV year, 8 semester		Number of ECTS credits	8.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation	
Contacting hours with academic teacher				
Lecture (L)		10		
Seminar (S)		30		

Classes (C)	70	
e-learning (e-L)		
Practical classes (PC)		
Work placement (WP)		
Unassisted student's work		
Preparation for classes and completions		

3. COURSE OBJECTIVES	
O1	Knowledge of surgical techniques used in treatment of surgical diseases and general surgical practice as: gastrointestinal bleeding, bowel obstruction, pre and post-operative management of patient and complications, acute abdominal pain, hepatobiliary diseases, colorectal cancer, abdominal hernias, pancreatic diseases, trauma, burns and shock, fluid, electrolytes and nutrition, vascular diseases
O2	
O3	

4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING <i>(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)</i>	
Code and number of effect of learning in accordance with standards of learning <i>(in accordance with appendix to Regulation of Minister of Science and Higher education from 26th of July 2019)</i>	Effects in time
Knowledge – Graduate* knows and understands:	
G.K1/ E.W7	reasons, symptoms, diagnostic and treatment procedures of the most frequent internal diseases and their complications in adult patients:
G.K2	
Skills– Graduate* is able to:	
G.S1/ E.U1	collect medical history from adult patients;
G.S2/ E.U3	conduct a complete and targeted physical examination in adults;

G.S3/ E.U13	assess and describe the patient's somatic and psychological states;
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* 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 (non-compulsory)	
Number of effect of learning	Effects of learning i time
Knowledge – Graduate knows and understands:	
Skills– Graduate is able to:	
Social Competencies – Graduate is ready for:	
SC1	
SC2	

6. CLASSES		
Form of class	Class contents	Effects of Learning
Lectures: Seminars: Classes:		

7. LITERATURE
Obligatory
<ol style="list-style-type: none"> 1. Essentials of General Surgery, by Peter Lawrence. 2. Current Surgical Diagnosis and Treatment, by Lawrence W. Way. 3. General Surgery, by Ritchie P. Wallace. 4. The Student's Textbook of Surgery, by William M. Rambo. 5. Essential Surgery: Problems, Diagnosis, and Management, by George H Burkitt. 6. Basic Surgery, by Hiram C Polk, Jr
Supplementary

8. VERIFYING THE EFFECT OF LEARNING
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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>
	Multiple choice question test (MCQ)	60% of correct answers 2.0 (failed) 0-17 points from the test 3.0 (satisfactory) 18-20 points from the test 3.5 (rather good) 21-22 points from the test 4.0 (good) 23-25 points from the test 4.5 (more than good) 26-28 points from the test 5.0 (very good) 29-30 points from the test

9. ADDITIONAL INFORMATION (*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*)



Pediatric Surgery

1. IMPRINT

Academic Year	2021/2022
Department	Faculty of Medicine
Field of study	Medicine
Main scientific discipline (in accord with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)	Medical Science
Study Profile (general academic / practical)	General academic
Level of studies (1 st level / 2 nd level / uniform MSc)	Uniform MSc
Form of studies	Full time studies
Type of module / course (obligatory / non-compulsory)	Obligatory
Form of verification of learning outcomes (exam / completion)	Credit
Educational Unit / Educational Units (and address / addresses of unit / units)	Department of Cardiac & General Paediatric Surgery (2W3) Żwirki i Wigury 63A, Pediatric Hospital, 5 th Floor. Seminar Room 5F 035, tel. (+48 22) 31 79 881, e-mail: kardiochirurgiadzieci@wum.edu.pl

Head of Educational Unit / Heads of Educational Units	Prof. Maciej Karolczak MD,PhD
Course coordinator <i>(title, First Name, Last Name, contact)</i>	Wojciech Mądry MD
Person responsible for syllabus <i>(First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported)</i>	Wojciech Mądry MD
Teachers	Maciej Karolczak MD, PhD, Jacek Pająk MD PhD, Jacek Wieteska MD, Aleksandra Wawronkoska MD, Wojciech Mądry MD, Stanisław Warchoń MD, Dariusz Horsztyński MD, Tomasz Jakutowicz MD, Sławomir Barszcz MD

2. BASIC INFORMATION

Year and semester of studies	4 th year. 7 th semester	Number of ECTS credits	2.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation
Contacting hours with academic teacher			
Lecture (L)			
Seminar (S)		15	1.00
Classes (C)		15	1.00
e-learning (e-L)			
Practical classes (PC)			
Work placement (WP)			
Unassisted student's work			
Preparation for classes and completions			

3. COURSE OBJECTIVES

O1	Qualification rules for surgery in children (neonates, infants, adolescents)
O2	Implementation of procedures for injuries management in children
O3	Understanding of pathophysiology, diagnostics and indications for congenital heart surgery

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 Regulation of Minister of Science and Higher education from 26th July 2019</i>)</p>	<p>Effects in time</p>
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Knowledge – Graduate* knows and understands:

G.K1: F.W1: 1, 2, 3, 4	causes, symptoms, principles of diagnosis and therapeutic treatment in relation to the most common diseases requiring surgical intervention taking into account the distinctions of childhood, in particular: (1) acute and chronic diseases of abdominal cavity, (2) chest diseases, (3) limb and head diseases, (4) bone fractures and organ injuries;
G.K2: F.W2	specific paediatric surgery, including traumatology, otolaryngology, acquired defects and diseases in children which require surgical treatment
G.K3: F.W3	rules of qualification and performance, as well as the most common complications of basic surgical procedures and invasive diagnostic and therapeutic procedures
G.K4: F.W4	principles of perioperative safety, patient preparation for surgery, general and local anaesthesia and controlled sedation
G.K5: F.W5	post-operative treatment with analgesic therapy and postoperative monitoring
G.K6: F.W6	indications for and principles of use of intensive care
G.K7: F.W13, 1-6	causes, symptoms, principles of diagnosis and therapeutic treatment in the case of the most common diseases of the central nervous system in terms of: (1) cerebral oedema and its consequences with a particular reference to emergencies, (2) other forms of intracranial narrowness with their consequences, (3) cranial-cerebral injuries, (5) tumours of the central nervous system, (6) diseases of the spine and spinal cord;
G.K8: E.W3, 2	E.W3 causes, symptoms, principles of diagnosis and therapeutic treatment of the most common diseases in children: (2) heart defects, myocarditis, endocarditis and pericarditis, cardiomyopathy, abnormal heart rhythm, cardiac failure, hypertension, syncope,
G.K9: E.W3, 5	E.W3 (5) acute and chronic abdomen pain, vomiting, diarrhoea, constipations, alimentary canal bleedings, peptic ulcer disease, non-specific intestine diseases, pancreas diseases, cholestasis and liver diseases and other acquired diseases and congenial defects of the alimentary canal,
G.K10: E.W3, 6	E.W3 (6) urinary system infections, congenial defects of the urinary system, nephrotic syndrome, nephrolithiasis, acute and chronic renal failure, acute and chronic renal inflammations, systemic renal diseases, urination disorders, vesicoureteral reflux,

Skills– Graduate* is able to:

G.S1: E.U14	recognize immediate threats to life;
G.S2: F.U3	observe the rules of asepsis and antisepsis
G.S3: F.U4	dress a simple wound, apply and change a sterile surgical dressing

G.S4: F.U7	assess the result of radiographic studies in terms of the most frequent kinds of fractures, especially long bone fractures
G.S5: F.U8	immobilise a limb temporarily, choose the kind of immobilisation necessary to be applied in typical clinical cases and control the appropriate blood flow in the limb after an immobilising dressing is put on
G.S6: F.U12	monitor perioperative care with the aid of basic vital signs
G.S7: F.U21	assess an unconscious patient according to the international point scales;
G.S8: F.U22	diagnose the symptoms of intracranial hypertension;

* 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 (non-compulsory)	
Number of effect of learning	Effects of learning i time
Knowledge – Graduate knows and understands:	
K1	Diagnostics of peritonitis in children
K2	Pathophysiology of selected congenital heart defects qualified for surgery
Skills– Graduate is able to:	
S1	Diagnostics of acute appendicitis.
S2	Rules of qualification for cardiovascular surgery in childhood
S3	First-Aid thermal burns treatment
Social Competencies – Graduate is ready for:	
SC1	
SC2	

6. CLASSES		
Form of class	Class contents	Effects of Learning
Seminar 1	<i>Diagnostics & Surgery for Congenital Heart Defects</i>	G.K1, GK3, GS1, S2,
Seminar 2	<i>Selected Respiratory Tract Malformations</i>	GK1
Seminar 3	<i>Management of Burn Injury in Children</i>	GK2, S3
Seminar 4	<i>One-day-stay Surgical Procedures</i>	GK1
Seminar 5	<i>Trauma day (Neurotraumatology Dept)</i>	GK1, GK4, GS2
Seminar 6	<i>Neonatal Surgery</i>	GK1, GK3

Seminar 7	<i>Appendicitis and Acute Abdominal Diseases</i>	GK1, K1, S1
Seminar 8	<i>Pediatric Urology</i>	GK1
C	<i>Burn injury management</i>	S3
C	<i>Trauma management in children</i>	GK2
C	<i>General Ward Round</i>	GS1
C	<i>OR – operative room</i>	GK1, GS1

7. LITERATURE

Obligatory

1. Pediatric Surgery. 7th. Edition. Coran A.G. Elsevier Inc.Saunders. 2012 ISBN: 978-0-323-07255

Supplementary

1. Imaging Trauma and Polytrauma in Pediatric Patients. Miele V., Trinci M. Springer, Berlin, 2014
2. Pediatric Traumatic Brain Injury: Update 2010 - From Basic Research to Clinical Practice 1st Edition by M.C. McKenna (Editor), L.J. Noble-Haeusslein (Editor), C.L. Robertson (Editor)

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.W3 (2,5,6); F.W1: 1, 2, 3, 4; F.W2, F.W2, F.W3, F.W5, F.W4, F.W6, F.W13(1-6), F.U3, F.U4, F.U7, F.U8, F.U12, F.U21, F.U22, E.U14,	Final Assessment Test ; multiple choice test questions checking the knowledge provided by lecturers (20 questions,4-5 choices, only 1 right answer, 20 minutes time).	12 or less - failed (2) 13 – satisfactory (3) 14 – rather good (3,5) 15-16 good (4) 17-18 more than good (4.5) 19-20 very good (5)

9. ADDITIONAL INFORMATION *(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)*

Initial requirements: 1.Detailed knowledge of gross anatomy and physiology.
2.Understanding of modern diagnostic tools (usg, CT, MR, Xray)

Course supervisor: Mądry Wojciech MD; in the case of questions please contact wojciech.madry@wum.edu.pl

!!!!!!! All seminars start at 8.30 o'clock and finish 2p.m. We do not accept students after 8.30 AM.
Be aware that persons entering OR (operating theatre) have to follow the local rules and policies (e.g. changing clothes protocol)

We invite students from ED to participate in our Congenital Heart Surgery Students Scientific Group headed by Michał Buczyński MD (e-mail: michal.buczynski2@wum.edu.pl)

* Depending on COVID-19 local status and Warsaw Medical University regulations e-learning course will be accessible on-line.



Internal Diseases - Hematology

1. IMPRINT

Academic Year	2021/2022
Department	Faculty of Medicine
Field of study	Medicine
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 Science
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>	Credit
Educational Unit / Educational Units <i>(and address / addresses of unit / units)</i>	Department of Hematology, Transplantation and Internal Medicine (1WP) 1a Banacha St, 02-097 Warsaw Phone: 48 22 599 28 18; e-mail: hematologia@wum.edu.pl

Head of Educational Unit / Heads of Educational Units	Prof. Grzegorz Basak, M.D., Ph.D.
Course coordinator (title, First Name, Last Name, contact)	Rafał Machowicz M.D. Ph.D.; rmachowicz@wum.edu.pl
Person responsible for syllabus (First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported)	Rafał Machowicz M.D. Ph.D.; rmachowicz@wum.edu.pl
Teachers	Prof. Grzegorz Basak M.D. Ph.D., Prof. Wiesław Wiktor Jędrzejczak M.D. Ph.D., Anna Waszczuk M.D. Ph.D., Piotr Kacprzyk M.D., Jarosław Biliński M.D. Ph.D., Joanna Drozd-Sokołowska M.D. Ph.D., Krzysztof Mądry M.D. Ph.D., Magdalena Małek M.D. Ph.D. Sara Zawadzka-Leska, M.D., Mateusz Ziarkiewicz, M.D. Ph.D., Piyush Vyas, M.D., Ewa Karakulska-Prystupiuł, M.D., Ph.D., Rafał Machowicz M.D. Ph.D.

2. BASIC INFORMATION

Year and semester of studies	4th in 6-year program, Winter and Summer semesters	Number of ECTS credits	2.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation
Contacting hours with academic teacher			
Lecture (L)			
Seminar (S)		20	0,8
Classes (C)		10	0,8
e-learning (e-L)			
Practical classes (PC)			
Work placement (WP)			
Unassisted student's work			
Preparation for classes and completions		15	0,4

3. COURSE OBJECTIVES

O1	Preparation of students to diagnose neoplastic and non-neoplastic disorders of the blood
O2	Preparation of students to use methods of supportive care essential for patients with blood disorders

O3	Preparation of students for referring patients with blood disorders to obtain specialist hematological care through learning indications, principles and possibilities of modern therapies used in hematology
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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*)

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

B.W19	Basic aspects associated with stem cells and their medical use.
C.W6	Genetic basis for human blood groups and Rh serologic conflict
C.W7	Chromosome aberrations causing oncogenesis
C.W25	Genetic basis for donor and recipient matching
E.W7, p. 6	Causes, symptoms, principles of diagnosis and therapeutic management for the most frequent blood disorders affecting adults, as well as their complications, including: aplastic anemia, anemia, neutropenia and agranulocytosis, thrombocytopenia, acute leukemia, myeloproliferative and myelodysplastic-myeloproliferative neoplasms, myelodysplastic syndromes, neoplasms of mature T and B cells, bleeding disorders, thrombophilia, disturbances in blood in the course of other organ disorders.
E.W23	Environmental and epidemiological features of the most common neoplastic blood disorders
E.W41	Capabilities and limitations of laboratory tests in emergency states

Skills– Graduate* is able to:

C.U3	Decide on the need of cytogenetic and molecular testing
E.U1	Take medical history related to neoplastic and nonneoplastic blood disorders from an adult patient
E.U3	Perform a full physical examination of an adult patient with particular attention to detection of symptoms of blood disorders and-/or evaluation of their progression/regression
E.U12	Perform differential diagnosis of the most frequent blood disorders in an adult patient
E.U14	Diagnose conditions associated with a direct threat to life produced by neoplastic and non-neoplastic blood disorders
E.U16	Plan diagnostic, therapeutic and prophylactic actions
E.U20	Qualify patients with suspected/confirmed blood disorders to outpatient/inpatient care
E.U24	Interpret laboratory results (especially: complete blood count, protein abnormalities, and coagulogram) and identify causes of their abnormalities
F.U6	Examine lymph nodes

* 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 (non-compulsory)	
Number of effect of learning	Effects of learning i time
Knowledge – Graduate knows and understands:	
B.W29	Principles of observational, experimental and in vitro research aiming at development of medical science
Skills– Graduate is able to:	
B.U10	Use databases, including internet ones, and look for specific information using available tools.
B.U12	Explain differences between prospective and retrospective studies, randomized and case-control studies, case descriptions and experimental studies and put them in order according to reliability and quality of scientific evidence
Social Competencies – Graduate is ready for:	

6. CLASSES		
Form of class	Class contents	Effects of Learning
Seminar 1	Introduction to hematology	E.W23, C.W7,
Seminar 2	Plasma cell dyscrasias. Plasma Cell Myeloma	E.W7, E.W23,
Seminar 3	Acute Leukemias	C.W7, E.W7, E.W23, C.U3
Seminar 4	Coagulation disorders	E.W7, E.W41, E.U16
Seminar 5	Introduction to transfusion medicine	C.W6, E.W7,
Seminar 6	Myeloproliferative Neoplasms (MPN)	C.W7, E.W7, E.W23,
Seminar 7	Myelodysplastic Syndromes (MDS)	E.W7, E.W23,
Seminar 8	Hematopoietic Stem Cell Transplantation	B.W19, C.W25
Seminar 9	Hodgkin Lymphoma.	E.W7, E.W23, C.U3, F.U6
Seminar 10	Cytopenias (Neutropenia & Thrombocytopenia)	E.W7, E.W23, E.W41, E.U20
Seminar 11	Non-hemolytic anemias	E.W7, E.W23,
Seminar 12	Hemolytic anemias	E.W7, E.W23,
Seminar 13	Non-Hogkin Lymphomas	E.W7, E.W23,
Seminar 14	Chronic Lymphocytic Leukemia	E.W7, E.W23, E.U20

Seminar 15	Introduction to modern hematological scientific papers	B.W29, B.U10, B.U12
Classes 1-10	Practical classes	C.U3, E.U1, E.U3, E.U12, E.U14, E.U16, EU.20, EU.24, E.U30, E.W7, F.U6, B.W19, C.W7, C.W25, E.W41, B.W29, B.U10, B.U12

7. LITERATURE

Obligatory

Presentations from seminars at e-learning platform

Supplementary

Harrison's Principles of Internal Medicine - current edition
Herold: Internal Medicine –current edition

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>
B.W19, E.W7, E.W23, C.W7, C.U3, E.W41, E.U16, C.W6, C.W25, E.U20	Completion of seminars at the e-learning platform and accompanying MCQ	All seminars completed
C.U3, E.U1, E.U3, E.U12, E.U14, E.U16, EU.20, EU.24, E.U30, E.W7, F.U6, B.W19, C.W7, C.W25, E.W41	Active participation in practical classes	Presence at all practical classes
B.W19, C.W6, C.W7, C.W25, E.W7, E.W23, E.W41 C.U3, E.U12, E.U14, E.U16, E.U24	Multiple choice question test (MCQ)	60% of correct answers 2.0 (failed) 0-17 points from the test 3.0 (satisfactory) 18-20 points from the test 3.5 (rather good) 21-22 points from the test 4.0 (good) 23-25 points from the test 4.5 (more than good) 26-28 points from the test 5.0 (very good) 29-30 points from the test

9. ADDITIONAL INFORMATION (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)

Students are invited to join Student Scientific Group – tutored by Prof. Wiesław Wiktor Jędrzejczak, M.D., Ph.D.



Internal Medicine – Cardiology

1. IMPRINT

Academic Year	2021/2022
Department	Faculty of Medicine
Field of study	Medicine
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 Science
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>	completion
Educational Unit / Educational Units <i>(and address / addresses of unit / units)</i>	1st Department of Cardiology, 1A Banacha St., 02-097 Warsaw, POLAND

Head of Educational Unit / Heads of Educational Units	Prof. Grzegorz Opolski
Course coordinator (<i>title, First Name, Last Name, contact</i>)	Dr Michał Marchel, 22 599 19 58
Person responsible for syllabus (<i>First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported</i>)	Dr Michał Marchel, 22 599 19 58
Teachers	Ewa Szczerba MD, Martyna Zaleska MD, Jakub Maksym MD, Agata Tymińska MD, Alla Adelkhanova MD, Krzysztof Ozierański MD PhD, Karol Zbroński MD, Łukasz Januszkiewicz MD PhD, Michał Peller MD PhD, Michał Marchel MD PhD

2. BASIC INFORMATION				
Year and semester of studies	4th year, 7th semester		Number of ECTS credits	2.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation	
Contacting hours with academic teacher				
Lecture (L)				
Seminar (S)		10	0,67	
Classes (C)		20	1,33	
e-learning (e-L)				
Practical classes (PC)				
Work placement (WP)				
Unassisted student's work				
Preparation for classes and completions		5	0	

3. COURSE OBJECTIVES	
O1	Ability to diagnose and treat of common cardiovascular diseases as: ischemic heart diseases, valvular diseases, diseases of pericardium, endocardium and myocardium, acute and chronic heart failure, arterial hypertension primary and secondary, common diseases of artery and veins, pulmonary hypertension.

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*)

Code and number of effect of learning in accordance with standards of learning

(in accordance with appendix to Regulation of Minister of Science and Higher education from 26th of July 2019)

E.W.7
E.U.1; E.U.3: E.U.13
E.U.12; E.U.16

Knowledge – Graduate* knows and understands:

G.K1	Knowledge of etiology, symptoms, diagnostics and treatment of common cardiovascular diseases as: ischemic heart diseases, valvular diseases, diseases of pericardium, endocardium and myocardium, acute and chronic heart failure, arterial hypertension primary and secondary, common diseases of artery and veins, pulmonary hypertension.
G.K1/ E.W7 p.1	Knowledge of reasons, symptoms, diagnostic and treatment procedures of the most frequent internal diseases and their complications in adult patients: 1) circulatory system diseases, including coronary heart disease, heart defects, endocardium disease, cardiomyopathy, pericardium diseases, cardiac failure (acute and chronic), artery and vein diseases, hypertension: essential and secondary, pulmonary hypertension,

Skills– Graduate* is able to:

G.S1	Skills: history taking and physical examination of patients with cardiovascular diseases, basic interpretation of electrocardiography, indication for visualization tests like echocardiography, computed tomography, magnetic resonance imaging and coronary angiography
G.S1/ E.U1	collect medical history from adult patients
G.S2/ E.U3	conduct a complete and targeted physical examination in adults;
G.S3/ E.U12	perform the differential diagnosis of the most common diseases in adults and children;
G.S4/ E.U13	assess and describe the patient's somatic and psychological states;
G.S5/ E.U16	plan diagnostic, therapeutic and preventive treatment;

* 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 (*non-compulsory*)

Number of effect of learning

Effects of learning i time

Knowledge – Graduate knows and understands:

K1	As above
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Skills– Graduate is able to:

S1	As above
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Social Competencies – Graduate is ready for:

SC1	As above
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6. CLASSES

Form of class	Class contents	Effects of Learning
Seminars/e-learning/bedside classes	Signs and symptoms of cardiovascular diseases	E.W.7
Seminars/e-learning/bedside classes	Acute coronary syndromes with persistent ST elevation	
Seminars/e-learning/bedside classes	Acute coronary syndromes without persistent ST elevation	
Seminars/e-learning/bedside classes	Heart Failure	
Seminars/e-learning/bedside classes	Bradyarrhythmias and cardiac pacing	
Seminars/e-learning/bedside classes	Tachyarrhythmias and ablation	
Seminars/e-learning/bedside classes	Pulmonary embolism	
Seminars/e-learning/bedside classes	Valvular heart disease	
Seminars/e-learning/bedside classes	Ischemic heart disease – pathogenesis, clinical features, primary and secondary prevention	

7. LITERATURE

Obligatory

1. Eugene Braunwald, ed., Heart Disease. A Textbook of Cardiovascular Medicine, 10 edition, Philadelphia: W.B. Saunders Company, 2015.
2. John Camm, Thomas F. Lüscher, Patrick Serruys The ESC Textbook of Cardiovascular Medicine, OUP Oxford, 2009.
3. Brian P. Griffin Manual of Cardiovascular medicine, 4th edition, Lippincott Williams & Wilkins, 2013.
4. Guidelines of the European Society of Cardiology (<http://www.escardio.org/guidelines-surveys/esc-guidelines/Pages/GuidelinesList.aspx>)

Supplementary

8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
E.W.7	Quiz in e-learning platform and oral credit	60% for quiz

9. ADDITIONAL INFORMATION (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)

Cardiology Club (contact: Michał Peller MD, PhD; michal.peller@wum.edu.pl)



Internal Medicine – Pulmonology

1. IMPRINT

Academic Year	2021/2022
Department	Faculty of Medicine
Field of study	Medicine
Main scientific discipline (in accord with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)	Medical Science
Study Profile (general academic / practical)	General academic
Level of studies (1 st level / 2 nd level / uniform MSc)	Uniform MSc
Form of studies	Full time studies
Type of module / course (obligatory / non-compulsory)	Obligatory
Form of verification of learning outcomes (exam / completion)	Credit
Educational Unit / Educational Units (and address / addresses of unit / units)	3rd Department of Lung Diseases and Oncology, National Tuberculosis and Lung Diseases Research Institute 26 Płocka Str., 01-138 Warsaw, e-mail: 3klinika@igichp.edu.pl www: https://www.igichp.edu.pl/3-klinika-chorob-pluc/

Head of Educational Unit / Heads of Educational Units	Prof. Kazimierz ROSZKOWSKI-ŚLIŻ, e-mail: k.roszkowski@igichp.edu.pl
Course coordinator (<i>title, First Name, Last Name, contact</i>)	Janusz SZOPIŃSKI, MD, PhD, email: szopinski@tlen.pl, phone: 22 4312218
Person responsible for syllabus (<i>First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported</i>)	Mateusz POLACZEK, MD, PhD, Janusz SZOPIŃSKI, Md, PhD
Teachers	Department's team

2. BASIC INFORMATION

Year and semester of studies	4th year, 7th semester	Number of ECTS credits	2.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation
Contacting hours with academic teacher			
Lecture (L)		-	
Seminar (S)		20	0,67
Classens (C)		10	0,67
e-learning (e-L)		-	
Practical classes (PC)		-	
Work placement (WP)		-	
Unassisted student's work			
Preparation for classes and completions		5	0,66

3. COURSE OBJECTIVES

O1	<i>The aim of the course is to give basic information about: (i.) etiology and symptoms in pulmonology that are meet during work as general practitioner; (ii.) diagnostic procedures and tests used in pulmonology and interpretation of the results; (iii.) management of the most common pulmonary diseases.</i>
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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)

Code and number of effect of learning in accordance with standards of learning <i>(in accordance with appendix to Regulation of Minister of Science and Higher education from 26th July 2019)</i>	E.W7, E.W23, E.W32 E.W1 E.U1, E.U3, E.U12, E.U17, E.U24, E.U29, E.U30
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Knowledge – Graduate* knows and understands:

G.K1/ E.W1	Student has the knowledge about environmental and epidemiological determinants of the most common illnesses in particular the lung diseases.
G.K2/ E.W7, 2	Student knows the reasons, symptoms, diagnostic and treatment procedures of the most frequent internal diseases and their complications in adult patients: 2) respiratory system diseases, including respiratory tract diseases, chronic obstructive pulmonary disease, bronchial asthma, bronchiectasis, cystic fibrosis, respiratory system infections, interstitial lung diseases, pleural diseases, mediastinal disorders, obstructive and central sleep apnoea, respiratory failure (acute and chronic), respiratory system cancers,
G.K3	Students knows the basis of pharmacology in pulmonology.

Skills– Graduate* is able to:

G.S1/ E.U1	Mastering the theoretical knowledge of pulmonology. Practical exercises with patients: anamnesis, physical examination and discussion that additional studies are necessary to establish the diagnosis (collect medical history from adult patients).
G.S2/ E.U 3	Student extends the knowledge and masters their skills in the scope of pulmonology, student plans diagnostic procedures and therapeutic interventions (conduct a complete and targeted physical examination in adults)
E.U12	perform the differential diagnosis of the most common diseases in adults and children;
E.U17	analyse the side effects of particular medicines and interactions between them;
E.U24	interpret laboratory test results with the identification of reasons for deviation;
E.U29	perform the basic medical procedures, including: 2) vital signs monitoring with the aid of a pulse oximeter and cardiac monitor,
E.U30	assist in the following procedures and medical treatments: 2) pleural cavity drainage, 6) fine-needle aspiration, 7) epidermal tests, 8) intradermal and scarification tests, as well as interpret their results;

* 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 (non-compulsory)

Number of effect of learning	Effects of learning i time
Knowledge – Graduate knows and understands:	
K1	As above
Skills– Graduate is able to:	
S1	As above
Social Competencies – Graduate is ready for:	
SC1	As above

6. CLASSES		
Form of class	Class contents	Effects of Learning
Seminars /bedside classes	Some aspects of the diagnosis of chest diseases	
Seminars /bedside classes	Basic radiologic sings and pathology	
Seminars /bedside classes	Diagnosis of airways	
Seminars /bedside classes	Respiratory failure	
Seminars /bedside classes	Pneumonia	
Seminars /bedside classes	Tuberculosis diagnosis and treatment	
Seminars /bedside classes	Tuberculosis pneumonia in radiology	
Seminars /bedside classes	Lung cancer	
Seminars /bedside classes	The role of smoking	
Seminars /bedside classes	Asthma, diagnosis and treatment	
Seminars /bedside classes	COPD	
Seminars/bedside classes	Lung function in restrictive lung diseases	
Seminars /bedside classes	Sarcoidosis	
Seminars /bedside classes	Thromboembolic disease	
Seminars /bedside classes	Diseases of the pleura	

7. LITERATURE
Obligatory
Harrison’s Principles of Internal Medicine. Ed. Kurt J. I et al. McGraw-Hill, Inc.
Supplementary

8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
EW7		

9. ADDITIONAL INFORMATION (*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*)

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Internal Medicine – Rheumatology

1. IMPRINT

Academic Year	2021/2022
Department	Faculty of Medicine
Field of study	Medicine
Main scientific discipline (in accord with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)	Medical Science
Study Profile (general academic / practical)	General academic
Level of studies (1 st level / 2 nd level / uniform MSc)	Uniform MSc
Form of studies	Full time studies
Type of module / course (obligatory / non-compulsory)	Obligatory
Form of verification of learning outcomes (exam / completion)	Credit
Educational Unit / Educational Units (and address / addresses of unit / units)	Rheumatology Clinic and Polyclinic, National Geriatrics, Rheumatology and Rehabilitation Institute, 1 Spartańska St., 02-637 Warsaw tel. 48 22 670 92 12

Head of Educational Unit / Heads of Educational Units	Prof dr hab n med Małgorzata Wiśłowska, M.D., Ph.D, Prof., mwisłowska@wp.pl
Course coordinator (title, First Name, Last Name, contact)	Prof dr hab n med Małgorzata Wiśłowska M.D., Ph.D, Prof.
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 Małgorzata Wiśłowska M.D., Ph.D, Prof.
Teachers	Prof dr hab n med Małgorzata Wiśłowska, prof dr hab n med Brygida Kwiatkowska, dr n med Maria Maślińska, dr n med Agnieszka Zielińska, dr Urszula Rud

2. BASIC INFORMATION

Year and semester of studies	4 th year, 7 & 8 semester	Number of ECTS credits	2.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation
Contacting hours with academic teacher			
Lecture (L)			
Seminar (S)		20	1
Classes (C)		10	0,5
e-learning (e-L)			
Practical classes (PC)			
Work placement (WP)			
Unassisted student's work			
Preparation for classes and completions		10	0,5

3. COURSE OBJECTIVES

O1	Knowledge of the examination of musculoskeletal system
O2	Knowledge of syndromes of the main rheumatic diseases
O3	

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*)

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

E.W1	Knowledge of environmental and epidemiological determinants of the most common illnesses
E.W3 p. 11	causes, symptoms, principles of diagnosis and therapeutic treatment of the most common diseases in children: 11) connective tissue diseases, rheumatic fever, juvenile arthritis, systemic lupus, dermatomyositis;
E.W7 p. 7	Knows and understands reasons, symptoms, diagnostic and treatment procedures of the most frequent internal diseases and their complications in adult patients: 7) rheumatic diseases, including systemic diseases of connective tissue, systemic vasculitis, arthritis with the involvement of the spine, bone metabolic diseases, in particular osteoporosis and osteoarthritis, gout,

Skills– Graduate* is able to:

E.U3	Student can conduct full physical examination adult patients with rheumatology diseases
E.U16	plan diagnostic, therapeutic and preventive procedures in patients with rheumatology diseases
E.U24	interpret laboratory test results with the identification of reasons for deviation in patients with rheumatology diseases

* 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 (*non-compulsory*)

Number of effect of learning	Effects of learning i time
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Knowledge – Graduate knows and understands:

E.U23	Student knows the basic rehabilitation of patients with rheumatology diseases
E.W7	Students knows the etiology and pathogenesis of osteoporosis connected with rheumatology diseases

Skills– Graduate is able to:

EU23	propose a rehabilitation programme for the most common diseases;

Social Competencies – Graduate is ready for:

E.U1	Student is available to have a contact with adult patients with rheumatic diseases
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6. CLASSES		
Form of class	Class contents	Effects of Learning
Seminars	S.1. Immunopathogenesis of rheumatic diseases W1	EW1, EW3, E.W7. E.U3, E.U24, E.U1
	S.2. Diagnostic tests and procedures in rheumatic diseases W1	
	S.3. Rheumatoid arthritis W1	
	S.4. Ankylosing spondylitis W1	
	S.5. Psoriatic arthritis W1	
	S.6. Systemic lupus erythematosus W1	
	S.7. Antyphospholipid syndrome W1	
	S.8. Sicca syndrome W1	
	S.9. Diffuse and limited cutaneous scleroderma W1	
	S.10. Polymyositis and dermatomyositis W1	
	S.11. Giant cell arteritis W1	
	S.12. Takayasu arteritis W1	
	S.13. Polyarteritis nodosa W1	
	S.14. Kawasaki disease W1	
	S.15. Granulomatosis with polyangiitis (GPA) W1	
	S.16. Eosinophilic granulomatosis with polyangiitis (EGPA) W1	
	S.17. IgA vasculitis (IgAV) W1	
	S.18. IgG4-related syndrome W1	
	S.19. Gout and hyperuricaemia W1	
	S.20. Osteoarthritis W1	
Classes	D.1. Immunopathogenesis of rheumatic diseases EU1,EU3,EU24	
	D.2. Rheumatoid arthritis EU1,EU3,EU24	
	D.3. Spondyloarthritis EU1,EU3,EU24	
	D.4. Systemic lupus erythematosus EU1,EU3,EU24	
	D.5. Antyphospholipid syndrome EU1,EU3,EU24	
	D.6. Sicca syndrome EU1,EU3,EU24	
	D.7. Diffuse and limited cutaneous scleroderma EU1,EU3,EU24	
	D.8. Polymyositis and dermatomyositis EU1,EU3,EU24	
	D.9. Gout and hyperuricaemia EU1,EU3,EU24	
	D.10. Osteoarthritis EU1,EU3,EU24	

7. LITERATURE
Obligatory – Harrison's Principles of Internal Medicine, Mc Graw-Hill, 16 th edition Rheumatology for English Division Students Wisłowska M WUM 2015
Supplementary EULAR Textbook on Rheumatology Diseases – BMJ 2018

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. Oral test</i>	<i>e.g. threshold number of points</i>
EW1, EW3, E.W7. E.U3, E.U24, E.U1	Oral test	60% of correct answers

9. ADDITIONAL INFORMATION *(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)*

Regulations for the students during classes at the Rheumatology Department

1. The student is obliged to read the syllabus.
2. Seminars start at 9.00 a.m.
3. The students participate in classes (seminars and practice) only with their group.
4. The students must complete the entire course (all seminars and practical classes), or completed 100% of the online course on time. Any absence requires working off -absence is acceptable.
5. The student is obliged to follow the Medical University of Warsaw Regulations (available on the University's website).
6. During classes with patients, students keep seriousness and silence.
7. Meals and drinks should be consumed during breaks.
8. The students should obtain credits for rheumatology in the plan of study, but no later than 2 weeks after the end of the course.

Signature of the Head of the Unit Prof. **Prof dr hab. n med Małgorzata Wiśłowska** MD. PhD. Prof.

Signature of the person responsible for the syllabus Prof. Małgorzata Wiśłowska MD. PhD.Prof.



CLINICAL IMMUNOLOGY

1. IMPRINT

Academic Year	2021/2022
Department	Faculty of Medicine
Field of study	Medicine
Main scientific discipline (in accord with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)	Medical science
Study Profile (general academic / practical)	General academic
Level of studies (1 st level / 2 nd level / uniform MSc)	Uniform MSc
Form of studies	Full time studies
Type of module / course (obligatory / non-compulsory)	Obligatory
Form of verification of learning outcomes (exam / completion)	Credit
Educational Unit / Educational Units (and address / addresses of unit / units)	Department of Clinical Immunology Nowogrodzka 59 St, 02-006 Warsaw Tel.: (+48 22) 502 14 72, 502 12 60 Faks: (+48 22) 502 21 59 E-mail: Secretary: Ewa Rusinowicz <ewa.rusinowicz(at)uckwum.pl>, Head: Dr hab. Radosław Zagożdżon <radoslaw.zagozdzon(at)wum.edu.pl>

	Didactic coordinator: Dr hab. Beata Kaleta <beata.kaleta(at)wum.edu.pl> https://zik.wum.edu.pl/
Head of Educational Unit / Heads of Educational Units	Dr hab. n. med. Radosław Zagożdżon
Course coordinator (<i>title, First Name, Last Name, contact</i>)	Dr hab. n. med. i n. o zdr. Beata Kaleta
Person responsible for syllabus (<i>First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported</i>)	Dr hab. n. med. i n. o zdr. Beata Kaleta
Teachers	Dr hab. n. med. Radosław Zagożdżon Dr hab. n. med. i n. o zdr. Beata Kaleta Dr hab. n. med. i n. o zdr. Ryszard Międzybrodzki Dr n. med. Jan Borysowski Dr n. med. Monika Kniotek Dr n. med. Dariusz Sołdacki Dr n. med. Tomasz Pilecki Lek. Barbara Moszczuk Lek. Olga Kosińska-Przybył Mgr Piotr Wierzbicki Mgr Katerina Marhelava

2. BASIC INFORMATION				
Year and semester of studies	IV year, 7 semester		Number of ECTS credits	1.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation	
Contacting hours with academic teacher				
Lecture (L)		0	0	
Seminar (S)		10	0.5	
Classes (C)		0	0	
e-learning (e-L)		0	0	
Practical classes (PC)		10	0.5	
Work placement (WP)		0	0	
Unassisted student's work				

Preparation for classes and completions	0	0
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3. COURSE OBJECTIVES	
O1	Presentation of aspects of immunological diagnostics (autoimmune and inflammatory diseases and organ transplantation)
O2	Presentation of aspects of organ transplantation, aftercare for patients with transplanted organs
O3	Presentation of aspects of autoimmune disorders

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)	
Code and number of effect of learning in accordance with standards of learning (in accordance with appendix to Regulation of Minister of Science and Higher education from 26th of July 2019)	Effects in time

Knowledge – Graduate* knows and understands:

G.K1	basics of diagnostics of gene and chromosomal mutations responsible for hereditary and acquired diseases, including cancer (C.W9)
G.K2	issues in the field of tumor immunology (C.W24)
G.K3	genetic bases of donor and recipient selection and basics of transplant immunology (C.W25)
G.K4	clinical forms of the most common diseases of systems and organs, metabolic diseases and disorders of water-electrolyte, hormonal and acid-base balance (C.W34)
G.K5	main mechanisms of drug action and their changes in the system depending on age (C.W36)
G.K6	major drug side effects, including drug interactions (C.W37)
G.K7	the possibilities of modern cancer therapy, including multimodal therapy, the prospects of cell and gene therapy and their undesirable effects (E.W25)
G.K8	theoretical and practical laboratory diagnostics (E.W40)
G.K9	the basic scope the issues of surgical transplantation, indications for the transplantation of irreversibly damaged organs and tissues, and related procedures (F.W14)

Skills– Graduate* is able to:

G.S1	use the antigen-antibody reaction in current modifications and techniques for the diagnosis of infectious, allergic, autoimmune and neoplastic diseases and blood diseases (C.U8)
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G.S2	associate the images of tissue and organ damage with clinical symptoms of the disease, history and laboratory results (C.U11)
G.S3	collect and bank biological material for research used in laboratory diagnostics (E.U28)

* 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 (non-compulsory)	
Number of effect of learning	Effects of learning i time
Knowledge – Graduate knows and understands:	
K1	-
K2	-
Skills– Graduate is able to:	
S1	-
S2	-
Social Competencies – Graduate is ready for:	
SC1	-
SC2	-

6. CLASSES		
Form of class	Class contents	Effects of Learning
Seminars (S1-S10)	S1- Introduction to clinical immunology – part 1 S2 - The role of autoimmunity in the pathogenesis of diseases S3 - The role of autoimmunity in the pathogenesis of endocrine system diseases S4 - Immunology of atherosclerosis S5 - Immunology of pregnancy S6 - The role of vitamin D and vitamin D receptor in autoimmune diseases S7 - Cancer as a complication of immunosuppressive therapy – part 1 S8 - Posttransplant complications S9 - HLA typing in clinical immunology - principles of selecting the donor/recipient pairs S10 - Flow cytometry - protocol, principle, basics, applications	G.K1-G.K9
Practical classes (PC1-PC10)	PC1 - Posttransplant complications (immunosuppression) – part 1 PC2 - Posttransplant complications (immunosuppression) – part 2 PC3 - Case presentation: asthma, SLE, vasculitis and vasculitides, rheumatoid disease PC4 - Case presentation: Immunocompromised patients PC5 - Case presentation: primary immunodeficiency patients PC6 - Case presentation: autoinflammatory diseases PC7 - HLA typing in clinical immunology PC8 - Proliferation assay and other immunological tests as a measure of immune competence	G.S1-G.S3

	PC9 - Flow cytometry in clinical immunology PC10 - Clinical aspects of immunosuppression	
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7. LITERATURE

Obligatory

Male D., Brostoff J., Rotth D. B., Roitt I.: "Immunology" – seventh edition – 2006, Mosby Elsevier.

Supplementary

1. Abul K. Abbas, Andrew H. Lichtman: "Basic Immunology – Functions and Disorders of the Immune System" – second edition, Updated Edition 2006-2007, Saunders Elsevier.
2. David M. Edgar: "Immunology-Master Medicine" (A core text with self – assessment) – 2005, Elsevier Churchill Livingstone
3. Robert R. Rich, Thomas A. Fleisher, William T. Shearer, Harry W. Schroeder Jr, Anthony J. Frew, Cornelia M. Weyand: "Clinical Immunology: Principles and Practice", Third Edition 2008. Mosby Elsevier.
4. Reginald M. Gorczynski, Jaqueline Stanley: "Problem-Based Immunology". 2006, Saunders Elsevier,
5. Transplantation Immunology (Methods and Procols), Philips Hornick, Marlene Rose: Humana Press Inc., 2006 , ISBN: 1064-3745, 157-175, 269-290.

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>
G.K1-G.K9, G.S1-G.S3	Credit – single choice test (25 questions)	GRADE CRITERIA: <ul style="list-style-type: none"> • 2.0 (failed): below 15 points (below 60%) • 3.0 (satisfactory): points range from 15-17 • 3.5 (rather good): points range from 18-19 • 4.0 (good): points range from 20-22 • 4.5 (more than good): points range from 23-24 • 5.0 (very good): 25 points

9. ADDITIONAL INFORMATION (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)

1. Classes are held from 8.30 am to 12.15 pm in the seminar room on the first floor in building 4 (the key to the room can be obtained in the cloakroom of building 1).
2. The student should become familiar with the curriculum, which is located in the seminar room and on the unit's website.
3. The student's presence at all classes is obligatory. The three delays recorded in the activity log are equal to one absence.
4. The student is required to change shoes, have an apron and a stethoscope.
5. For practical classes (in hospital wards and in the diagnostic laboratory), students go to building No. 1 under the supervision of a teacher or on their own after prior arrangement.
6. Only healthy students may participate in practical classes.
7. The final test takes place on Fridays during the last hour of classes.
8. If the student fails the test, the student should contact the course coordinator (beata.kaleta@wum.edu.pl) as soon as possible to arrange the date of the retake test.
9. If a student wants to change the dean's group (eg to do their homework with another group), it is possible only if the group does not exceed 24 people. Such changes must be agreed in advance with the class coordinator.
10. Teaching consultations - after prior appointment with the Head of the Unit: <radoslaw.zagozdzon (at) wum.edu.pl>



Family medicine with elements of geriatrics

1. IMPRINT

Academic Year	2021/2022
Department	Faculty of Medicine
Field of study	Medicine
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 Science
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>	Credit
Educational Unit / Educational Units <i>(and address / addresses of unit / units)</i>	Department of Family Medicine (1MH), MUW 6 Binieckiego St, 02-097 Warsaw, 4-th floor, rooms: 5.52, 5.53, 5.54 (University Dentistry Center) phone: 48 22 116 62 32
Head of Educational Unit / Heads of Educational Units	Życińska Katarzyna M.D, Ph.D, Prof. katarzyna.zycinska@wum.edu.pl

Course coordinator (title, First Name, Last Name, contact)	Życińska Katarzyna M.D, Ph.D, Prof. katarzyna.zycinska@wum.edu.pl Puchala Mateusz M.D, family.medicine@wum.edu.pl
Person responsible for syllabus (First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported)	Życińska Katarzyna M.D, Ph.D, Prof. katarzyna.zycinska@wum.edu.pl
Teachers	Barczak Anna M.D, Ph.D Durajski Łukasz M.D. Jakubiak Maciej M.D. Kowalik Jolanta Ph.D Madoń Jakub M.D. Puchala Mateusz M.D. Szydlarska Dorota M.D, Ph.D Whiteman Monika M.D. Zielonka Tadeusz M.D, Ph.D Zwolińska Ewa M.D, Ph.D Życińska Katarzyna M.D, Ph.D, Prof. Medical Center MUW – Mieszalska Justyna

2. BASIC INFORMATION				
Year and semester of studies	IV year, 8 semester (summer)		Number of ECTS credits	2.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation	
Contacting hours with academic teacher				
Lecture (L)				
Seminar (S)		30	1,5	
Classes (c)		10	0,5	
Practical classes (PC)				
Work placement (WP)				
Unassisted student's work				
Preparation for classes and completions				

3. COURSE OBJECTIVES	
O1	Present basic knowledge on the organization of primary care and practical aspects of simple procedures. Students discuss the principles of family doctor's cooperation with a specialist doctor and pre-and post-hospital care.
O2	The most common conditions in primary care (treat a wide range of medical conditions and injuries for patients of all ages, genders, and states of health).

O3	Medical consultation and communication with the patients as family doctor/general practitioner.	
4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING <i>(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)</i>		
Code and number of effect of learning in accordance with standards of learning <i>(in accordance with appendix to Regulation of Minister of Science and Higher education from 26th of July 2019)</i>	Effects in time	
Knowledge – Graduate* knows and understands:		
G.K1	E.W2 rules of nutrition of healthy and sick children, protective vaccinations and routine children’s health checks	
G.K2	E.W7 reasons, symptoms, diagnostic and treatment procedures of the most frequent internal diseases and their complications in adult patients: 1) circulatory system diseases, including coronary heart disease, heart defects, endocardium disease, cardiomyopathy, pericardium diseases, cardiac failure (acute and chronic), artery and vein diseases, hypertension: essential and secondary, pulmonary hypertension, 2) respiratory system diseases, including respiratory tract diseases, chronic obstructive pulmonary disease, bronchial asthma, bronchiectasis, cystic fibrosis, respiratory system infections, interstitial lung diseases, pleural diseases, mediastinal disorders, obstructive and central sleep apnoea, respiratory failure (acute and chronic), respiratory system cancers, 3) rheumatic diseases, including systemic diseases of connective tissue, systemic vasculitis, arthritis with the involvement of the spine, bone metabolic diseases, in particular osteoporosis and osteoarthritis, gout, 4) water-electrolytic disturbances and acid-base disturbances, dehydration, hyperhydration, electrolyte imbalance, acidosis and alkalosis;	
G.K3	E.W8. course and symptoms of the process of aging, as well as the rules of the general geriatric assessment and the interdisciplinary care of elderly patients;	
G.K4	E.W9. causes and basic distinctions of the most frequent diseases of elderly people, as well as the procedure in basic geriatric syndromes;	
G.K5	E.W38. causes, symptoms, diagnosis and treatment of the most common diseases and the specific problems in the family practice.	
Skills– Graduate* can:		
G.S1	E.U1. collect medical history from adult patients;	
G.S2	E.U2. collect medical history from a child and its family;	
G.S3	E.U3. conduct a complete and targeted physical examination in adults;	
G.S4	E.U4. conduct a physical examination of children of any age;	
G.S5	E.U12. perform the differential diagnosis of the most common diseases in adults and children;	
G.S6	E.U16. plan diagnostic, therapeutic and preventive treatment;	
G.S7	E.U20. qualify patients for home and hospital treatment;	

G.S8	E.U24. interpret laboratory test results with the identification of reasons for deviation;
G.S9	E.U27. qualify a patient for vaccinations;
G.S10	E.U29. perform the basic medical procedures, including: <ul style="list-style-type: none"> 1) body temperature measurement, pulse count and non-invasive blood pressure check, 2) standard resting electrocardiogram with adequate interpretation, electrical cardioversion and defibrillation, simple strip test and blood glucose check;
G.S11	E.U32. plan specialist consultations.

* 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 (non-compulsory)	
Number of effect of learning	Effects of learning i time
Knowledge – Graduate knows and understands:	
K1	K.S3 Student respects medical confidentiality and patient's rights'
Skills– Graduate is able to:	
S1	K.S2 Student is guided by the good of the patients, putting them in the foreground.
Social Competencies – Graduate is ready for:	
SC1	K.S1 Able to establish and maintain a deep and respectful contact with the patient.

6. CLASSES		
Form of class	Class contents	Effects of Learning
Seminar (S)	S1. Respiratory infections and rational antibiotic therapy in out-patients practice. S2. Obstructive pulmonary diseases - diagnosis and treatment by the general practitioner. S3. Obesity – diagnosis and treatment. S4. Hypothyroidism in GP. S5. Health problems of geriatric population – role of general practitioner. S6. Diagnosis of patients suspected for dementia. S7. Role of GP in early diagnosis and treatment of the disease of women at reproductive age. S8. Why do we have cases of elderly people abuse. S9. Behavioral addictions. S10. Rheumatic disease in the elderly. S11. Vaccination in primary care practice. S12. Principles of family medicine. S13. Organization of the work of the primary care physician (GP).	G.K1 – G.K4; K1; S1; SC1
Classes (C)	Practical classes in family doctor’s clinic – 2 meetings.	G.S1 - G.S11; K1; S1; SC1

7. LITERATURE
Obligatory
Obligatory literature:

Textbook of Family Medicine. Author: Robert and David P. Rakel. Ninth Edition. Elsevier 2015.

Supplementary

8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
G.K1 – G.K.4; G.S1 - G.S11; K1; S1; SC1	1. Complete the entire course and attendance at all classes. 2. Colloquium (10 questions) SCQ test and open questions.	60%

9. ADDITIONAL INFORMATION *(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)*

Regulations for students during classes at the Department of Family Medicine

1. The student is obliged to read the syllabus and time-table on the website www.medycynarodzinna.wum.edu.pl
2. Seminars start at 3.00 p.m. If any changes occur - remember point 1.
3. The students participate in classes (seminars and practice) only with their group. Possible group change is allowed in exceptional, justified situations and requires individual approval – Mateusz Puchala M.D.
4. The student must complete the entire course - all seminars and practical classes. Any absence requires working off.
5. The student is obliged to follow the Medical University of Warsaw Regulations (available at the University's website).
6. During classes with patients, students keep seriousness and silence.
7. Meals and drinks should be consumed during breaks.
8. Attendance card should be returned to secretariat no longer than a week after the end of classes.
9. The student should obtain credits for family medicine in the plan of study, but no later than 2 weeks after the end of the course.
10. The person responsible for students' affairs: **Mateusz Puchala M.D.** family.medicine@wum.edu.pl

ATTENTION!

Please be sure to check the format and location of your classes at www.medycynarodzinna.wum.edu.pl

Signature of the Head of the Unit

Signature of the person responsible for syllabus

Prof. Katarzyna Żyćńska, M.D., PhD

Mateusz Puchala, M.D.



Pediatric Pulmonology and Allergology

1. IMPRINT

Academic Year	2021/2022
Department	Faculty of Medicine
Field of study	Medicine
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 Science
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>	Completion
Educational Unit / Educational Units <i>(and address / addresses of unit / units)</i>	Department of Pediatric Pulmonology and Allergy, WUM 63a Żwirki i Wigury St., 02-091 Warsaw (Pediatric Hospital) Tel. No. 22 317-94-19 alergologia.dsk@uckwum.pl

Head of Educational Unit / Heads of Educational Units	Marek Kulus, M.D., PhD., Professor
Course coordinator (<i>title, First Name, Last Name, contact</i>)	Anna Komorowska-Piotrowska M.D anna.komorowska-piotrowska@wum.edu.pl Honorata Marczak honorata.marczak@wum.edu.pl
Person responsible for syllabus (<i>First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported</i>)	Anna Komorowska-Piotrowska M.D anna.komorowska-piotrowska@wum.edu.pl
Teachers	Marek Kulus M.D, PhD, Professor Katarzyna Krenke M.D, PhD, Associate Professor Joanna Peradzińska M.D, PhD, Associate Professor Wojciech Feleszko M.D, PhD, Associate Professor Joanna Lange M.D, PhD Teresa Bielecka, M.D, PhD Witold Bartosiewicz M.D, PhD Anna Komorowska-Piotrowska M.D Honorata Marczak M.D Agnieszka Strzelak M.D Marcin Sanocki M.D Dominika Ambrożej M.D Stanisław Bogusławski M.D Magdalena Chojnowska-Wójtowicz M.D Kacper Gajko M.D Klementyna Łyżwa M.D Maciej Marczak M.D Aleksandra Ratajczak M.D Katarzyna Wasilczuk M.D

2. BASIC INFORMATION

Year and semester of studies	IV year, 8 semester		Number of ECTS credits	2.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation	
Contacting hours with academic teacher				
Lecture (L)		-		
Seminar (S)		10	0.4	
Classes (C)		15	0.6	
e-learning (e-L)		-		
Practical classes (PC)		-		

Work placement (WP)	-	
Unassisted student's work		
Preparation for classes and completions	30	1.00

3. COURSE OBJECTIVES	
O1	Knowledge of basic clinical topics in the field of pediatric pulmonology and allergology including anaphylaxis, food allergy, allergic rhinitis, atopic dermatitis, pneumonia, bronchiolitis, bronchitis, laryngitis, tuberculosis, asthma management, acute and chronic cough, cystic fibrosis, primary ciliary dyskinesia and other rare diseases in pulmonology.
O2	Evaluation of different lung imagining techniques results (e.g. chest X-ray, lung ultrasound, some aspects of CT scans evaluation).
O3	Practical ability to demonstrate techniques of inhalation from different inhalation drug delivery devices, evaluate skin prick and functional lung tests results.

4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING <i>(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)</i>	
Code and number of effect of learning in accordance with standards of learning <i>(in accordance with appendix to Regulation of Minister of Science and Higher education from 26th of July 2019)</i>	Effects in time
Knowledge – Graduate* knows and understands:	
E.W3	Definition of acute and chronic cough. Etiology of chronic cough. Red flag signs. Diagnostic procedures in chronic cough. Aetiology, signs, symptoms, diagnosis and treatment of pneumonia, pleural effusion, pneumothorax, bronchitis, bronchiolitis, tuberculosis. Management and rare lung diseases in children.
E.W6	Management in case of life-threatening conditions related to respiratory tract in children.
E.W7	Risk factors for anaphylaxis. Symptoms of anaphylaxis. Treatment of an anaphylactic reactions. Cofactors of anaphylaxis. Diagnosis and treatment of food allergy, atopic dermatitis, acute urticaria, drug allergy, allergic rhinitis. Assessment of asthma exacerbation symptoms. Medications used during exacerbation of symptoms Indications for hospitalization.
Skills– Graduate* is able to:	

E.U2	Take medical history
E.U4	Perform proper physical examination of a child
E.U7	Evaluate general condition and consciousness
E.U12	Perform differential diagnostics of common diseases in children
E.U13	Evaluate psychical and somatic status of the patient
E.U14	Recognize emergency symptoms
E.U16	Plan diagnostics, therapy and prophylaxis of common diseases
E.U24	Interpret lab tests and identify the causes of abnormal results
E.U29	Perform basic diagnostic procedures including e.g. spirometry, oxygen therapy,

* 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 (non-compulsory)	
Number of effect of learning	Effects of learning i time
Knowledge – Graduate knows and understands:	
F.W10	Imaging techniques used for diagnostics of different diseases including the basic interpretation of Chest X-Ray and lung ultrasound results.
Skills– Graduate is able to:	
S1	Plan aerosolotherapy, instruct the patient on the technique of usage of different types of inhalers
Social Competencies – Graduate is ready for:	
III 1.1.3	Proper communication and contact with patient and care givers, confirming physical- patient privilege. To use objective sources of medical knowledge, to make conclusions from medical data.

6. CLASSES		
Form of class	Class contents	Effects of Learning
Seminars	S1- Asthma. Allergic rhinitis	

	S2- Pneumonia S3- Tuberculosis S4- Cystic fibrosis. Primary ciliary dyskinesia. S5-Rare diseases in pulmonology. S6-Food allergy. Atopic dermatitis. Acute urticaria. S7-Infections of the respiratory tract. Bronchitis. Bronchiolitis. S8-Anaphylaxis. S9-Symptomatology in respiratory diseases. S10-Emergencies in respiratory medicine.	
Bedside-classes	Training of practical issues connected with taking history, signs and symptoms assessment as well as diagnosis in pediatric pulmonology and allergology	

7. LITERATURE

Obligatory

Current Diagnosis and Treatment Pediatrics 23rd edition
Illustrated Textbook of Paediatrics. Lissauer T, Clayden G, Mosby, 4th edition
Nelson Textbook of Pediatrics. Kliegman RM, Stanton BMD, 20th edition

Supplementary

GINA 2020 ([www. Ginasthma.org](http://www.Ginasthma.org))
"The Management of Community-Acquired Pneumonia in Infants and Children Older Than 3 Months of Age: Clinical Practice Guidelines by the Pediatric Infectious Diseases Society and the Infectious Diseases Society of America"
Simons FER, Ebisawa M, Sanchez-Borges M, Thong BY, Worm M et al. 2015 update of the evidence base: World Allergy Organization anaphylaxis guidelines. World Allergy Organization Journal 2015; 8:3(www.worldallergy.org)

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.U2, E.U4, E.U7, E.U12-14, E.U16, E.U24, E.U29, S1, F.W10	Active participation in seminars, bedside classes	presence on 80% of seminars and bedside classes and colloquium										
E.W3, E.W6, E.W7, III.3	Colloquium (4 th year)	<table><tr><td>Mark</td><td>% of points</td></tr><tr><td>2.0 (failed)</td><td><60%</td></tr><tr><td>3.0 (satisfactory)</td><td>61-68%</td></tr><tr><td>3.5 (rather good)</td><td>69-76%</td></tr><tr><td>4.0 (good)</td><td>77-84%</td></tr></table>	Mark	% of points	2.0 (failed)	<60%	3.0 (satisfactory)	61-68%	3.5 (rather good)	69-76%	4.0 (good)	77-84%
Mark	% of points											
2.0 (failed)	<60%											
3.0 (satisfactory)	61-68%											
3.5 (rather good)	69-76%											
4.0 (good)	77-84%											

		4.5 (more than good)	85-92%
		5.0 (very good)	93-100%

9. ADDITIONAL INFORMATION *(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)*

Depending on the epidemiological situation related to SARS-CoV-2 pandemic classes in e-learning (seminars and virtual bed-side workshops).

Student association is operating within the unit for polish speaking students.

Student Scientific Group – tutors: Wojciech Feleszko M.D. Ph.D., Anna Komorowska-Piotrowska M.D, Marcin Sanocki M.D



Pediatric gastroenterology

1. IMPRINT

Academic Year	2021/2022
Faculty	Faculty of Medicine
Field of study	Medicine
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 Science
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>	Credit
Educational Unit / Educational Units <i>(and address / addresses of unit / units)</i>	Department of Pediatric Gastroenterology and Nutrition (1W33), Medical University of Warsaw Zwirki I Wigury 63a street ., 02-091 Warsaw, Phone: 22 3179451, e-mail: gastroenterologia.dsk@uckwum.pl

Head of Educational Unit / Heads of Educational Units	Professor Aleksandra Banaszkiewicz
Course coordinator (<i>title, First Name, Last Name, contact</i>)	Katarzyna Karolewska-Bochenek, M.D. Ph.D., katarzyna.bochenek@wum.edu.pl
Person responsible for syllabus (<i>First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported</i>)	Katarzyna Karolewska-Bochenek, katarzyna.bochenek@wum.edu.pl
Teachers	Andrzej Radzikowski MD, PhD Aleksandra Banaszkiewicz MD, PhD Katarzyna Karolewska-Bochenek, MD, PhD Marcin Dziekiewicz, MD, PhD Marcin Banasiuk, MD, PhD Łukasz Dembiński, MD Paweł Józefczuk, MD Jan Bukowski, MD

2. BASIC INFORMATION

Year and semester of studies	4 th year, 7 th & 8 th semester	Number of ECTS credits	2.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation
Contacting hours with academic teacher			
Lecture (L)			
Seminar (S)		10	0.4
Classes (C)		15	0.6
e-learning (e-L)			
Practical classes (PC)			
Work placement (WP)			
Unassisted student's work			
Preparation for classes and completions		30	1.00

3. COURSE OBJECTIVES

O1	Basic knowledge of pediatric gastroenterology , gastroenterointestinal disorders (Abdominal pain-functional abdominal pain, Gastroesophageal reflux ,Failure to thrive, chronic diarrhoea, Bleeding from GI tract Constipation, Infammatory bowel disease, Acute and chronic pancreatitis
O2	Practical abilities in patient's examination, differential diagnosis of gastrointestinal diseases, interpretation of results of tests and treatment
O3	Professional communication with the patient and care givers

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*)

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

E.W3	Environmental and epidemiological factors of the most common disorders of GI tract in children. Aetiology, signs, symptoms , diagnosis and treatment of chronic diarrhoea, abdominal pain, dehydration, liver diseases, inflammatory bowel disease
E.W4	Basic knowledge of child nutrition
E.W7	Management of the most common emergencies in Ped Gastroenterology

Skills– Graduate* is able to:

E.U2	Take medical history
E.U4	Perform proper physical examination of a child at any age
E.U7	Evaluate general condition and consciousness
E.U12	Perform differential diagnosis of common disease in children
E.U14	Recognize emergency symptoms
E.U16	Plan diagnostics, therapy and prophylaxis of common diseases

* 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 (*non-compulsory*)

Number of effect of learning	Effects of learning in time
Knowledge – Graduate knows and understands:	
F.W10	Interpret results and indications to basic imaging techniques of GI tract
Skills– Graduate is able to:	
S6	Prepare written medical certificates and opinion for patients
Social Competencies – Graduate is ready for:	
III 1.1.3	Proper communication and contact with patient and care givers, confirming physical patient privilege. Use objective sources of medical knowledge, to make conclusions from medical data.

6. CLASSES

Form of class	Class contents	Effects of Learning
Seminars	S1. Abdominal pain-functional abdominal pain S2. Gastroesophageal reflux S3. Failure to thrive S4. Coeliac disease S5. Eosinophilic esophagitis S6. Bleeding from GI tract S7. Constipation S8. Inflammatory bowel disease S9. Acute pancreatitis S10. Chronic pancreatitis	
Practical classes	1. Examination of patients, interview with parents and children. 2. Participation in ward rounds 3. Planning and discussion of biochemical, radiological and other test 4. Interpretation of test results.	

7. LITERATURE

Obligatory

Nelson Textbook of Pediatrics, WB Saunders Co, Philadelphia 2011

Current Diagnosis and Treatment Pediatrics 23rd edition

Illustrated textbook of Pediatrics, Lissauer T, Clayden G, Mosby 4th edition

Nelson Textbook of Pediatrics, Kliegman RM, Stanton BMD, 20th edition

Supplementary

1. Gastrointestinal System, 4th edition Crash Course, Megan Griffiths, Mosby 2015

8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
E.U2, E.U4, E.U7, E.U12, E.U14, E.U16	Active participation in seminars, bedside classes	80% presence of seminars and bedside classes
E.W3, E.W4, E.W7. III.3	Multiple Choice Questions test (4 th year)	Over 60% correct answers. <60% failed 61-69% satisfactory 70-75% rather good 76-84% good 85-94% more than good 95-100% very good

9. ADDITIONAL INFORMATION *(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)*

- 1) Students are required to attend all classes.
- 2) Students should be prepared for the subject of the particular class.
- 3) Absence from class is justified on the basis of a medical certificate or certificate of a random accident. The class should be done with another group after prior agreement with the person responsible for the subject.
- 4) Classes start on time, being late is treated as an absence (students are not allowed to enter the room).
- 5) Students should have the workbook "Gastroenterologia dziecięca"- available for purchase at the WUM Publishing House (Oficyna Wydawnicza WUM, ul. Pawińskiego 3, 02-106 Warszawa).
- 6) Students should wear a lab coat and a lab gloves.
- 7) Persons applying for transfer of the subject from previous years or from another university should write an application to the Head of the Department of Pediatric Gastroenterology and Nutrition and obtain permission of the Dean.



Pediatrics Endocrinology

1. IMPRINT	
Academic Year	2021/2022
Department	Faculty of Medicine
Field of study	Medicine
Main scientific discipline (in accord with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)	Medical science
Study Profile (general academic / practical)	General academic
Level of studies (1 st level / 2 nd level / uniform MSc)	Uniform MSc
Form of studies	Full time studies
Type of module / course (obligatory / non-compulsory)	obligatory
Form of verification of learning outcomes (exam / completion)	Credit
Educational Unit / Educational Units (and address / addresses of unit / units)	Department of Paediatrics and Endocrinology; 02-091 Warszawa, 63a Żwirki i Wigury St., endokrynologia.dsk@uckwum.pl

Head of Educational Unit / Heads of Educational Units	Professor Beata Pyrżak MD PhD
Course coordinator (<i>title, First Name, Last Name, contact</i>)	Dr hab. med. Anna Kucharska, tel. 22 3179564, ankucharska@wum.edu.pl
Person responsible for syllabus (<i>First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported</i>)	Dr hab. med. Anna Kucharska , ankucharska@wum.edu.pl
Teachers	Prof. Beata Pyrżak MD PhD, Anna Kucharska MD PhD, Maria Krajewska MD, Ada Borowiec MD, Michał Erazmus MD, Katarzyna Kądziela MD PhD.

2. BASIC INFORMATION			
Year and semester of studies	4 th year, summer and winter semester	Number of ECTS credits	2.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation
Contacting hours with academic teacher			
Lecture (L)		-	
Seminar (S)		10 (10 e-learning)	1.00
Classes (C)		15	1.00
e-learning (e-L)			
Practical classes (PC)			
Work placement (WP)			
Unassisted student's work			
Preparation for classes and completions			

3. COURSE OBJECTIVES	
O1	Basic knowledge of paediatric endocrinology: hypothalamo- pituitary disorders (diabetes insipidus, pituitary insufficiencies, Cushing disease), thyroid diseases, adrenal dysfunction in children, disorders of puberty and sex development, diabetes mellitus, diabetic ketoacidosis.
O2	Practical abilities in medical history obtaining and physical examination of patients
O3	Profesional communication with the patient and care givers

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)

Code and number of effect of learning in accordance with standards of learning <i>(in accordance with appendix to Regulation of Minister of Science and Higher education from 26th of July 2019)</i>	Effects in time
Knowledge – Graduate* knows and understands:	
E.W1	Environmental and epidemiological aspects of the most often seen diseases in paediatric endocrinology Physiology of normal human development: physiology of growth and sexual maturation Physiology of endocrine glands function in neonatal period
E.W3	Aetiology, signs, symptoms, diagnosis and treatment of congenital and acquired hypothyroidism Knowledge of the diagnostics of growth disorders: short stature and tall stature; hypercortisolism in children; diabetic ketoacidosis; congenital adrenal hypertrophy in children; precocious and delayed puberty; knowledge of causes, investigation and treatment in disorders of sex development
E.W6	The management of most often emergencies in paediatric endocrinology
Skills– Graduate* is able to:	
E.U2	Obtain medical history
E.U4	Make the proper physical examination in a child at any age
E.U7	evaluate the general condition and consciousness
E.U9	compare the anthropometric data and BP with percentile charts
E.U10	Evaluate the advancement of secondary sex characteristics
E.U11	Perform the well-child care
E.U12	Perform the differential diagnosis of common diseases in children
E.U13	Evaluate psychical and somatic status of the patient
E.U14	Recognize emergency symptoms
E.U16	Organize diagnostics, therapy and prophylaxis of common endocrine diseases
E.U24	Interpret lab tests and identify the causes of abnormal results in endocrinology

E.U38	Make proper patient's documentation
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* 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 (non-compulsory)	
Number of effect of learning	Effects of learning in time
Knowledge – Graduate knows and understands:	
G.W8	Legal regulation, methods of medical experiments, conduction of medical experiments s and the basic methods of data analysis
G.W17	Is able to identify medical malpractice, its most common causes, and how to evaluate it
Skills– Graduate is able to:	
G.U2	Obtain information about risk factors of chronic diseases and know how to prevent it on variable level of prevention
G.U6	Prepare the written medical certificates and opinion for patients
Social Competencies – Graduate is ready for:	
III 1.1.3	Proper communication and contact with patient and care givers, confirming physical- patient privilege, To use objective sources of medical knowledge, to make proper conclusions from medical data.

6. CLASSES		
Form of class	Class contents	Effects of Learning
Seminars	Thyroid diseases in children Congenital Adrenal Hyperplasia Precocious puberty Delayed puberty Diabetes mellitus in children Diabetic ketoacidosis- management in children Hypothalamo- pituitary disorders in children Disorders of Sex Differentiation Short stature – causes, diagnostics, management.	

	Cushing syndrome in children.	
Bed-side classes	Practical exercises in 4-5 person groups	

7. LITERATURE
Obligatory
<ol style="list-style-type: none"> 1. <i>Greenspan's Basic and Clinical Endocrinology.</i>, By Gardner , LANGE 9th ed - 2015, 10th ed. -2018 2. <i>Nelson Essentials of Pediatrics.</i> Marc Dante KJ, Kliegman RM, Elsevier Saunders, 7th edition 3. <i>Bate's Guide to Physical Examination & History Taking,</i> Bickley LS, Lippincott Williams & Wilkins, 12th edition 4.
Supplementary
<ol style="list-style-type: none"> 1. <i>Paediatric Clinical Examination Made Easy</i> Gill D, O'Brien N, Churchill Livingstone, 5th edition 2. <i>Illustrated Textbook of Paediatrics,</i> Lissauer T, Clayden G, Mosby, 4th edition. 3. <i>The Harriet Lane Handbook. A Manual for Pediatric House Officers.</i> Custer JW, Rau RE, 18th edition 4. <i>Manual of Pediatric Therapeutics.</i> Graef JW, Lippincott Raven 6th edition 5. <i>Nelson Textbook of Pediatrics.</i> Kliegman RM, Stanton BMD, Elsevier Saunders 19th edition.

8. VERIFYING THE EFFECT OF LEARNING		
Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
E.W1, E.W3,E.W6	Final test – 20 questions	At least 12 points (12/20)
E.U2, E.U4,E.U7, E.U9-14, E.U16, E.U24, E.U38	COMPLETION OF PRACTICAL CLASSES, EVALUATION OF INDIVIDUAL STUDENT’S ACTIVITY DURING BED-SIDE CLASSES	Evaluation by tutor teacher

9. ADDITIONAL INFORMATION (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)
<p>Students are required to attend all classes.</p> <p>Students should be prepared for the subject of particular class and seminars.</p> <p>Absence from classes is justified on the basis of a medical certificate of a random accident, the class should be done with another group after prior agreement with the course coordinator.</p> <p>Classes start on time, being late can be treated as an absence.</p> <p>Students should wear medical coat and shoes .</p>



Psychiatry

1. IMPRINT

Academic Year	2021/2022
Department	Faculty of Medicine
Field of study	Medicine
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 science
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>	Credit
Educational Unit / Educational Units <i>(and address / addresses of unit / units)</i>	II Klinika Psychiatryczna / II Department of Psychiatry ul. Kondratowicza 8, 03-242 Warszawa phone: (+48 22) 326 58 92; e-mail: psychiatria@brodnowski.pl

Head of Educational Unit / Heads of Educational Units	Prof. dr. hab. med. Andrzej Kokoszka
Course coordinator (<i>title, First Name, Last Name, contact</i>)	Dr Marcin Obrębski Mail: mobrebski@wum.edu.pl
Person responsible for syllabus (<i>First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported</i>)	Prof. dr. hab. med. Andrzej Kokoszka Mail: andrzej.kokoszka@wum.edu.pl
Teachers	Prof. dr hab. med. Andrzej Kokoszka Dr n. med. Aleksandra Jodko-Modlińska Dr n. o zdr. Marcin Obrębski Lek. med. Magdalena Grusiecka-Stańczyk Lek. med. Joanna Mikulska Lek. med. Wiktor Buczek Lek. Natalia Chłopecka Lek. Sebastian Koterwa Lek. Matija Mitric Lek. Radosław Naporę Lek. Natalia Olejnik Lek. Sasza Rychlica Lek. Mikołaj Rejewski Lek. Przemysław Gałązka Lek. Joanna Szczerba Mgr Monika Gawłowicz Mgr Joanna Kielan Mgr Joanna Mikuła Mgr Renata Pionke Mgr Karolina Ciesielka Mgr Agnieszka Twarowska

2. BASIC INFORMATION				
Year and semester of studies	IV year I &II semester		Number of ECTS credits	4.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation	
Contacting hours with academic teacher				
Lecture (L)		0	0	
Seminar (S)		30	1.5	
Classes (C)		30	1.5	
e-learning (e-L)		0	0	
Practical classes (PC)		0	0	

Work placement (WP)	0	0
Unassisted student's work		
Preparation for classes and completions	60	1

3. COURSE OBJECTIVES	
O1	History of psychiatry
O2	Bio-psycho-social aspects of mental disorders
O3	General psychopathology
O4	Legal aspects of psychiatry
O5	Classifications of mental disorders
O6	Diagnostic methods in psychiatry
O7	Biological and psychosocial methods of treatment
O8	To acquire skills of mental state assessment
O9	Emergency and preliminary therapeutic management in mental disorders

4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING <i>(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)</i>	
Code and number of effect of learning in accordance with standards of learning <i>(in accordance with appendix to Regulation of Minister of Science and Higher education from 26th of July 2019)</i>	Effects in time
Knowledge – Graduate* knows and understands:	
E.W1.	knows the environmental and epidemiological determinants of the most common mental illnesses
E.W10.	knows and understands the basic principles of pharmacotherapy in the elderly
E.W11.	knows and understands the risks associated with hospitalization of the elderly
E.W12.	knows and understands the basic principles of organizing elderly care as well as the burdens of being a caregiver for an elderly person
E.W15.	knows the basic concepts in the pathogenesis of mental disorders

E.W16.	knows the general psychiatric symptomatology and the principles of classifying mental disorders according to the main classification systems
E.W17.	knows the symptoms as well as principles of diagnosis and therapeutic treatment of the most common mental illnesses, including: a) schizophrenia b) affective and adaptive disorders c) eating disorders d) disorders associated with the use of psychoactive substances
E.W18.	knows the principles of diagnosis of and procedure for dealing with psychiatric emergencies
E.W19.	knows the characteristics of mental disorders and of treating these disorders in old age
E.W20.	knows the symptoms of mental disorders in the course of somatic diseases and their impact on the course of the underlying disease as well as the prognosis and principles of treating these disorders
E.W21.	has knowledge of human sexuality and of the basic disorders associated with it
E.W22.	is familiar with provisions relating to mental health care; with particular emphasis on the rules of admission to psychiatric hospitals
E.W38	is familiar with the theoretical and practical fundamentals of laboratory diagnosis in psychiatry
E.W39.	knows and understands the capabilities and limitations of laboratory testing in psychiatric emergencies

Skills– Graduate* is able to:

E.U5.	carries out a psychiatric examination
E.U12.	performs a differential diagnosis of the most common mental illnesses in adults
E.U13.	assesses and describes the patient's somatic and psychological state
E.U14.	recognizes conditions that pose a direct threat to life in the course of mental disorders
E.U15.	recognizes states under the influence of alcohol, drugs and other stimulants
E.U16.	plans diagnostic, therapeutic and preventive procedures regarding mental disorders
E.U17.	analyzes the possible adverse effects of particular drugs and the interactions between them
E.U18.	proposes that existing therapeutic guidelines and other treatment methods be individualized if standard therapy is ineffective or contraindicated
E.U19.	recognizes the signs of drug dependency and proposes treatment
E.U20.	decides that a given patient is eligible for home or hospital treatment
E.U23.	proposes a rehabilitation program for the most common diseases
E.U24.	interprets the results of laboratory tests and identifies the causes of deviations
E.U32.	plans specialist consultations
E.U38.	keeps a patient's medical records

* 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	Has a basic knowledge about different types of psychotherapy
K2	Understands the impact of psychological factors on patient adherence to recommended treatment
Skills– Graduate is able to:	
S1	Establishes ethical and professional relations with patients suffering from mental disorders
S2	Increases patient motivation and adherence to treatment
Social Competencies – Graduate is ready for:	
SC1	Presents diagnosis of a patient and discusses it with other students
SC2	

6. CLASSES		
Form of class	Class contents	Effects of Learning
Seminar 1 (3 hours)	Introduction to psychiatry - history, biopsychosocial factors of mental disorders, epidemiology Psych. examination and general psychopathology – rules of mental state assessment and the main psychopathological symptoms	<i>E.W1, E.W18</i>
Seminar 2 (3 hours)	Personality Disorders	<i>E.W15, E.W16, E.W22</i>
Seminar 3 (3 hours)	Schizophrenia- Etiology, diagnosis, classification and treatment	<i>E.W15, E.W16, E.W17, E.W22</i>
Seminar 4 (3 hours)	Psychotherapy - the main approaches to psychotherapy. Theoretical foundations and effectiveness	<i>E.W17, E.W22</i>
Seminar 5 (3 hours)	Organic symptoms, Psychogeriatry	<i>E.W10, E.W11, E.W12, E.W19</i>
Seminar 6 (3 hours)	Psychopharmacology and diagnostic methods – the rules medication and the laboratory diagnostic methods	<i>E.W38, E.W39</i>
Seminar 7 (3 hours)	Anxiety disorders I, Panic D. Fobias, GAD Etiology, diagnosis, classification and treatment	<i>E.W15, E.W16, E.W17, E.W22</i>

Seminar 8 (3 hours)	Depression & Mania Etiology, diagnosis, classification and treatment	<i>E.W15, E.W16, E.W17, E.W22</i>
Seminar 9 (3 hours)	Anxiety disorders II PTSD, OCD, Etiology, diagnosis, classification and treatment	<i>E.W15, E.W16, E.W17, E.W22</i>
Seminar 10 (3 hours)	Ethical issues – ethical rules of psychiatry Psychodiabetology – liaison psychiatry, psychiatric problems in the course medical condition	<i>E.W20</i>
Clasess 1 (3 hours)	Psych. examination and general psychopathology – clinical assessment of mental state	<i>E.U5,</i>
Clasess 2 (3 hours)	Personality Disorders	<i>E.U16, E.U18, E.U20</i>
Clasess 3 (3 hours)	Schizophrenia – management with patient	<i>E.U12-E.U23</i>
Clasess 4 (3 hours)	Psychotherapy – demonstration and discussion of psychotherapeutic methods	<i>E.U16, E.U18, E.U20</i>
Clasess 5 (3 hours)	Organic symptoms– management with patient Geriatric psychiatry– management with patient	<i>E.U12-E.U23</i>
Clasess 6 (3 hours)	Psychopharmacology– management with patient	<i>E.U17, E.U18</i>
Clasess 7 (3 hours)	Anxiety disorders I, Panic D. Fobias, GAD– management with patient	<i>E.U12-E.U23</i>
Clasess 8 (3 hours)	Depression & Mania	<i>E.U12-E.U23</i>
Clasess 9 (3 hours)	Anxiety disorders II PTSD, OCD, – management with patient	<i>E.U12-E.U23</i>
Clasess 10 (3 hours)	Ethical issues – discussion of ethical dilemma examples Psychodiabetology – workshop on management with patients with dysfunctional coping style.	<i>E.U14, E.U32, E.U38</i>

7. LITERATURE

Obligatory

1. Sadock B.J., Sadock V.A. Ruitz P. Kaplan and Sadock's Synopsis of Psychiatry: Behavioral Sciences/Clinical Psychiatry. Wolters Kluver, 2014

Supplementary

1. Cowen P., Harrison P., Burns T., Shorter Oxford Textbook of Psychiatry. Sixth Edition, 2012
2. Meyer, R. G., Chapman, L. K., and Weaver, C. M. Case Studies in Abnormal Behavior. 9th ed. 2012

8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
E.W1-E.W39	Colloquium – test on the last day of course, consisting of 20 single select multiple choice questions.	At least 60% of correct answers on test
E.U5-E.U38	Written description of mental states of two patients with different disorders presented during classes.	Accepted by the assistant

9. ADDITIONAL INFORMATION (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)

Classes and seminars takes place at:

DREWNICA= Drownica Hospital, - ul. Rychlińskiego 1, Ząbki, meeting at main entrance to the new building.

KONDRATOWICZA 8= Brodnowski Hospital, ul. Kondratowicza 8, Building G, 4th floor

SUWALSKA 11= Brodnowski Hospital, Daily Psychiatric Ward, ul. Suwalska 11

In case of epidemiological restrictions = ONLINE

The first seminar takes place in lecture hall in Brodnowski Hospital, ul. Kondratowicza 8, pawilon "G".

The detailed program of seminars and classes will be presented a during the first seminar



Child Psychiatry

1. IMPRINT

Academic Year	2021/2022
Department	Faculty of Medicine
Field of study	Medicine
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 Science
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>	Credit
Educational Unit / Educational Units <i>(and address / addresses of unit / units)</i>	Medical University of Warsaw, English Division of the 2 nd Faculty of Medicine Department of Child Psychiatry (2M7) Żwirki i Wigury 63a, 02-091 Warsaw phone: (+48 22) 317 92 51 fax.: (+48 22) 317 90 80 e-mail: psychiatria@spdsk.edu.pl

Head of Educational Unit / Heads of Educational Units	Prof. dr hab. n. med. Tomasz Wolańczyk
Course coordinator (<i>title, First Name, Last Name, contact</i>)	Lek. med. Łukasz Konowalek; lukasz.konowalek@wum.edu.pl
Person responsible for syllabus (<i>First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported</i>)	Lek. med. Łukasz Konowalek; lukasz.konowalek@wum.edu.pl
Teachers	Tomasz Srebnicki, MD PhD Łukasz Konowalek, MD Katarzyna Szamburska-Lewandowska, MD

2. BASIC INFORMATION

Year and semester of studies	IV, winter semester	Number of ECTS credits	1.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation
Contacting hours with academic teacher			
Lecture (L)			
Seminar (S)		2	
Classes (C)		18	
e-learning (e-L)			
Practical classes (PC)			
Work placement (WP)			
Unassisted student's work			
Preparation for classes and completions			

3. COURSE OBJECTIVES

O1	To learn about clinical picture, etiology and causes of psychiatric disorders in children and adolescents.
O2	To learn to develop and implement treatment plans for children with psychiatric disorders.
O3	To learn about organization of psychiatric help in the light of current law regulations

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*)

Code and number of effect of learning in accordance with standards of learning (in accordance with appendix to Regulation of Minister of Science and Higher education from 26th July 2019)	Effects in time
Knowledge – Graduate* knows and understands:	
G.K 1.	knows environmental and epidemiological conditions of the most common mental disorders in children and adolescents; E.W 1
G.K 2.	knows issues: child maltreatment and sexual abuse, behavioral disorders: psychosis, eating disorders, and elimination disorders (enuresis, encopresis) in children; E.W 4
G.K 3.	knows the basic concepts of the pathogenesis of mental disorders in children and adolescents; E.W 15
G.K 4.	knows the general symptomatology of mental disorders in children and adolescents and the principles of their classification according to the main classification systems; E.W 16
G.K 5.	knows the symptoms, the principles of diagnosis and therapeutic treatment of the most common mental diseases, including: affective disorders, eating disorders; E.W 17 (2, 4)
G.K 6.	knows the characteristics of mental disorders and their treatment in children and adolescents; E.W 19
Skills– Graduate* is able to:	
G.S 1	performs psychiatric examination; E.U 5
G.S 2	evaluates and describes the mental state of the patient - a child and a teenager; E.U 13
G.S 3	plans diagnostic and therapeutic procedures and prophylactic in children and adolescents. E.U 16

* 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 (*non-compulsory*)

Number of effect of learning	Effects of learning i time
Knowledge – Graduate knows and understands:	
K1	
K2	
Skills– Graduate is able to:	

S1	
S2	
Social Competencies – Graduate is ready for:	
SC1	
SC2	

6. CLASSES		
Form of class	Class contents	Effects of Learning
Seminar 1.	Child and adolescent psychopathology, psychiatric assessment of children and adolescents;	G.K1, G.K4, G.K15, G.K16, G.K17, G.K19
Practical classes 1	Psychiatric examination of a child and adolescent; E.S.1.-E.S.3.	G.S5, G.S13, G.S15
Practical classes 2	Diagnostic examination and treatment planning in autism spectrum disorders and anxiety disorders. Diagnosis and proceedings in the case of diagnosing child abuse; E.S.1.-E.S.3.	G.S5, G.S13, G.S15
Practical classes 3	Diagnostic examination and treatment planning in selective mutism, obsessive-compulsive disorder, elimination disorders, tic disorders; E.S.1.-E.S.3.	G.S5, G.S13, G.S15
Practical classes 4	Diagnostic examination and treatment planning in developmental learning disorder, Attention Deficit Hyperactivity Disorder, conduct disorders; E.S.1.-E.S.3.	G.S5, G.S13, G.S15
Practical classes 5	Diagnostic examination and treatment planning in anorexia and bulimia nervosa, affective disorders, suicidal behavior in children and adolescents, schizophrenia; E.S.1.-E.S.3.	G.S5, G.S13, G.S15

7. LITERATURE
Obligatory
<ol style="list-style-type: none"> 1. Hoare P. „Essential Child Psychiatry”. Churchill Living Stone, Edinburgh, 1993 2. Graham P., Turk J., Ferhulst F.C. „Child Psychiatry”. Oxford University Press, NY, 1999.
Supplementary
<ol style="list-style-type: none"> 1. Gillberg C. „Clinical Child Neuropsychiatry”. Cambridge University Press, 1995. 2. Lewis M (Ed). „Child and Adolescents Psychiatry. A Comprehensive Textbook”. Williams and Wilkins, Baltimore, 1996

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>
G.K1, G.K4, G.K15, G.K16, G.K17, G.K19	active participation and correct execution of tasks	attendance and active participation
G.S5, G.S13, G.S15	active participation and correct execution of tasks	attendance and active participation

9. ADDITIONAL INFORMATION (*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*)

Seminar 1 and Practical classes 1 are conducted on-line (Monday, 9.00-12.45), Practical classes 2, 3, 4, 5 are conducted in a direct-contact form (Tuesday, Wednesday, Thursday, Friday; 9.00-11.15). The first meeting on Tuesday and the division into groups will be held in room 1DE (first floor).



Maxillofacial surgery

1. IMPRINT

Academic Year	2021/2022
Department	Faculty of Medicine
Field of study	Medicine
Main scientific discipline (in accordance with appendix to the Regulation of Minister of Science and Higher education from 26th of July 2019)	Medical Science
Study Profile (general academic / practical)	General academic
Level of studies (1 st level / 2 nd level / uniform MSc)	Uniform MSc
Form of studies	Full time studies
Type of module/ course (obligatory / non-compulsory)	obligatory
Form of verification of learning outcomes (exam/completion)	Credit
Educational Unit / Educational Units (and address / addresses of unit / units)	Department of Cranio-Maxillofacial Surgery Oral Surgery and Implantology (1S112), 02-005 Warsaw, 4 Lindleya St. phone: 48 22 502 17 97; e-mail: kcst@wum.edu.pl

Head of Educational Unit / Heads of Educational Units	Paweł Zawadzki DDS, PhD
Course coordinator (<i>title, First Name, Last Name, contact</i>)	Zygmunt Stopa, MD, PhD
Person responsible for syllabus (<i>First name, Last Name and contact for the person to whom any objections concerning syllabus should be reported</i>)	Zygmunt Stopa, MD, PhD
Teachers	Zygmunt Stopa, MD, PhD Piotr Momot, DDS Piotr Oczkowski, MD, DDS

2. BASIC INFORMATION				
Year and semester of studies	4 th year (VI-years program), 7 and 8 st semester		Number of ECTS credits	1
FORMS OF CLASSES		Number of hours	ECTS credits calculation	
Contacting hours with academic teacher				
Lecture (L)				
Seminar (S)		12	0,8	
Classes (C)				
e-learning (e-L)				
Practical classes (PC)				
Work placement (WP)				
Unassisted student's work				
Preparation for classes and completions		6	0,2	

3. COURSE OBJECTIVES	
O1	The program of the course offers the basic information of the most frequent problems of Maxillofacial Surgery
O2	Students receive knowledge of basic diagnostic and therapeutic procedures in Maxillofacial Surgery

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)

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

G.K1/ E.W7, 3 E.W14, 1	Student knows the issue of Maxillofacial and oral surgery including: a) symptoms and diagnosis of diseases of the paranasal sinuses, temporomandibular joint, oral mucosa, salivary glands, odontogenic infections. b) surgical and other treatment in maxillofacial trauma c) the difference in the treatment of children in head and neck region
G.K2	knows the indications for surgical treatment and invasive examination
G. K3/ F.W12, 6	knows the procedures in diagnosis and treatment of head and neck tumors including reconstructive surgery
G. K4	know the basic terms in maxillofacial surgery

* 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 (non-compulsory)

Number of effect of learning	Effects of learning in time
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Knowledge – Graduate knows and understands:

K1	Difference between types of fractures
K2	Difference between subspecialties of maxillofacial surgery

Skills– Graduate is able to:

S1	Diagnose patient with orofacial pain
S2	State a differential diagnosis of patient with oral cavity tumour

Social Competencies – Graduate is ready for:

SC1	Participation in a maxillofacial surgery
SC2	Communication with patient about his facial trauma

6. CLASSES		
Form of class	Class contents	Effects of Learning
Seminar 1	History of maxillofacial surgery Education requirements for Maxillofacial Surgery	
Seminar 2	Odontogenic infections	
Seminar 3	Clinical features and treatments of odontogenic sinusitis	
Seminar 4	Surgically treated diseases of the salivary glands	
Seminar 5	Diagnosis and surgical treatment of malignant tumours, including reconstructive surgery	
Seminar 6	Microsurgical reconstruction. Facial transplantation	
Seminar 7	Maxillofacial traumatology – Midface fractures	
Seminar 8	Maxillofacial traumatology – Mandibular fractures	
Seminar 9	Orthognathic surgery	
Seminar 10	Surgical treatment and reconstructive surgery of cysts and benign tumours of the jaws	
Seminar 11	Bone grafting	
Seminar 12	Temporomandibular joint disorders	

7. LITERATURE
Obligatory
1. Peterson's Principles of Oral and Maxillofacial Surgery, Michael Miloro , GE Ghali , Peter Larsen, Peter Waite, 2012
Supplementary
1. Oral and Maxillofacial Surgery Review: A Study Guide, Din Lam, Daniel Laskin, 2015 2. Maxillofacial Surgery, 3rd Edition, Peter Brennan, Henning Schliephake, G.E. Ghali, Luke Cascarini, Elsevier, 2016 3. Contemporary Oral and Maxillofacial Surgery, Larry J. Peterson, Edward Ellis III, James Hupp, Myron Tucker, 1998

8. VERIFYING THE EFFECT OF LEARNING		
Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
GK1-GK4	MCQ test	0-10 Fails, 11-20 Passes

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>)