



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

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

4th YEAR CURRICULUM

6-year program

Warsaw, 2019/2020

SCHEDULE – ACADEMIC YEAR 2019/2020

4th year 6-year program

WINTER SEMESTER – 01.10.2019 – 16.02.2020

STUDENT'S ACADEMIC CLASSES:	01.10.2019 – 22.12.2020
	07.01.2020 – 26.01.2020
WINTER HOLIDAYS:	23.12.2019 – 06.01.2020
EXAM SESSION:	27.01.2020 – 02.02.2020
DAYS OFF BETWEEN SEMESTER:	03.02.2020 – 9.02.2020
RETAKE EXAM SESSION:	10.02.2020 – 16.02.2020

SUMMER SEMESTER – 17.02.2020 – 30.09.2020

STUDENT'S ACADEMIC CLASSES:	17.02.2020 – 11.04.2020
	19.04.2020 – 26.04.2020
	04.05.2020 – 14.06.2020
EASTER HOLIDAYS:	12.04.2020 – 18.04.2020
SPRING HOLIDAYS:	27.04.2020 – 03.05.2020
EXAM SESSION:	15.06.2020 – 05.07.2020
SUMMER HOLIDAYS:	06.07.2020 – 30.08.2020
RETAKE EXAM SESSION:	31.08.2020 – 6.09.2020
SUMMER HOLIDAYS:	07.09.2020 – 30.09.2020

Curriculum of 4th year of 6-year 2019/2020 ED program and the list of contents

4th year

page	subject	form of credit	semester	Total no of hours	including				ECTS
					lecture	seminar	class	practical	
4	Dermatology with venerology	exam	2	90	36	4	50		5
106	Infectious Diseases	exam	1	105		45	60		5
121	Urology	exam	2	30		10	20		2
11	Laryngology	exam	1	45		18	27		3
	Pediatric Laryngology		1	15		6	9		
24	Clinical Pharmacology	exam	1	50	15	15	20		5
31	Pediatric Imaging Diagnostics	credit	1&2	18		18			2
114	Surgery	credit	2	90		30	60		5
35	Pediatric Surgery	credit	1	30		15	15		2
40	Internal Medicine-Hematology	credit	1&2	30		20	10		2
46	Internal Medicine-Cardiology	credit	1&2	30		10	20		2
128	Internal Medicine-Pulmonology	credit	1	30		20	10		2
50	Internal Medicine-Rheumatology	credit	1&2	30		20	10		2
54	Clinical Immunology	credit	2	20		10	10		1
59	Family Medicine with elements of Geriatrics	credit	2	40		30	10		2
63	Pediatrics	credit	1&2	75		30	45		6
80	Psychiatry	credit	1	60		30	30		4
96	Child Psychiatry	credit	1	20		2	18		1
101	Maxillofacial Surgery	credit	1&2	12		12			1
	Vocational Training	credit	2	140				140	4
	Optional Course	credit	1&2	60		60			4
				1020	51	405	424	140	60

DERMATOLOGY & VENEROLOGY



1. Imprint	
Faculty name:	Faculty of Medicine
Education program (<i>field of study, level and educational profile, form of studies, e.g., Public Health, 1st level studies, practical profile, full time</i>):	Medicine, Faculty of Medicine, English Division, intramular, full-time
Academic year:	2019/2020
Module/subject name:	Dermatology and Venereology
Subject code (<i>from the Pensum system</i>):	45803
Educational units:	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 e-mail: wenerologia@wp.pl
Head of the unit/s:	Prof. Lidia Rudnicka- Department of Dermatology Prof. Sławomir Majewski- Department of Dermatology and Venereology
Study year (<i>the year during which the respective subject is taught</i>):	IV
Study semester (<i>the semester during which the respective subject is taught</i>):	Summer semester
Module/subject type (<i>basic, corresponding to the field of study, optional</i>):	basic course
Teachers (<i>names and surnames and degrees of all academic teachers of respective subjects</i>):	Department of Dermatology: Joanna Czuwara, MD, PhD Danuta Fedorczuk, MD Patrycja Gajda, MD Joanna Golińska, MD Magdalena Jasińska, MD Małgorzata Maj, MD, PhD Magdalena Misiak-Gałazka, MD, PhD Joanna Misiewicz-Wroniak, MD, PhD Prof. Małgorzata Olszewska, MD, PhD Katarzyna Polak-Witka, MD Prof. Lidia Rudnicka, MD, PhD Adriana Rakowska, MD, PhD

	<p>Zbigniew Samochocki, MD, PhD Marta Sar-Pomian, MD, PhD Mariusz Sikora, MD, PhD Justyna Skibińska, MD Anna Stochmal, MD Agata Szykut-Badaczewska, MD Jacek Szymańczyk, MD, PhD Olga Warszawik-Hendzel, MD, PhD Karolina Wojtan, MD</p> <p>Department of Dermatology and Venereology: Prof. Sławomir Majewski, MD, PhD Magdalena Malejczyk, MD, PhD Beata Młynarczyk-Bonikowska, MD, PhD Tomasz Pniewski, MD, PhD Iwona Rudnicka, MD, PhD Anna Winiarska, MD, PhD Joanna Sałkowska-Wanat, MD Katarzyna Smolarczyk, MD Małgorzata Sochacka, MD Ewa Bukowska MS</p>
ERASMUS YES/NO (<i>Is the subject available for students under the ERASMUS programme?</i>):	YES
A person responsible for the syllabus (<i>a person to which all comments to the syllabus should be reported</i>)	Prof. Lidia Rudnicka - Department of Dermatology
Number of ECTS credits:	5
2. Educational goals and aims	
<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. 	

3. Initial requirements		
Knowledge of the structure and physiology of the skin, hair and nails.		
4. Learning outcomes corresponding to the subject		
A list of course learning outcomes		
Symbol of course learning outcomes	Description of course learning outcomes	The reference to programme learning outcomes (number)
<i>K-knowledge</i>	Student has: 1. Symptomatology knowledge of the most common dermatological diseases and dermatological correct terminology. 2. 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. 3. Knowledge of etiopathogenesis, epidemiology, clinical presentation, diagnosis and treatment of nevus, benign and malignant tumors of the skin. 4. Knowledge of skin lesions associated with diseases of internal organs and systemic diseases. 5. Knowledge of etiopathogenesis, epidemiology, clinical presentation, diagnosis and treatment of sexually transmitted diseases.	E.W1;E.W32; E.W33; E.W34
<i>S-skills</i>	Student is able to: - make an appropriate, focussed and comprehensive history - deal with complex patients (e.g. angry or distressed patient) and communicate effectively with patients from diverse backgrounds - undertake an appropriate, focussed and comprehensive examination of mental and physical state - gathers information by the technique of the observation, direct and indirect measurements (scales), analysis of documentation formulate a focussed and relevant series of investigations	E.U3; E.U4; E.U24; E.U28; E.U31; E.U36; E.U38
<i>C-competence</i>	nt: tends the knowledge and masters their skills in the scope of dermatology. opts assessments and interventions that are inclusive, respectful of diversity and patient-centred. repects for patients' confidentiality and safety	
5. Forms of classes		
<i>Form</i>	<i>Number of hours</i>	<i>Number of groups</i>
<i>Lecture</i>	36	
<i>Seminar</i>	4	20
<i>Practical classes</i>	50	5
6. Subject topics and educational contents		

Topics of lectures (Dermatology):

W1. Anatomy and physiology of the skin - Prof. Lidia Rudnicka, MD, PhD, Marta Sar-Pomian, MD, PhD

W2. Analysis of skin lesions - Prof. Lidia Rudnicka, MD, PhD, Marta Sar-Pomian, MD, PhD

W3. & W4 Allergic diseases - Małgorzata Maj, MD, PhD,

- a) Atopic dermatitis
- b) Eczema
- c) Urticaria

W5. Fungal infections - Danuta Fedorczyk, MD

- a) Dermatophyte Infections
- b) Candidiasis
- c) Tinea versicolor

W6. Lupus Erythematosus - Prof. Lidia Rudnicka, MD, PhD

- a) Cutaneous
- b) Subacute cutaneous
- c) Systemic

W7. Scleroderma - Prof. Lidia Rudnicka, MD, PhD

- a) Progressive systemic sclerosis
- b) Morphea

W8. Genetic skin diseases - TBD

W9. Bullous diseases - Magdalena Jasińska, MD

- a) Pemphigus
- b) Bullous Pemphigoid and Herpes Gestationis
- c) Pemphigoid
- d) Dermatitis herpetiformis
- e) LABD

W10. Drug eruptions - Olga Warszawik-Hendzel MD, PhD

W11. Nevi and melanoma - Prof. Lidia Rudnicka MD PhD

- a) Melanocytic and vascular nevi
- b) Melanoma

W12. Paraneoplastic disorders - Marta Sar-Pomian, MD

W13. Photodermatoses - Magdalena Misiak - Gałazka, MD, PhD

- a) Polymorphic light eruptions
- b) Persistent light reaction
- c) Porphyria cutanea tarda

W14. Skin cancers - Prof. Lidia Rudnicka, MD, PhD

- a) Basal cell carcinoma
- b) Squamous cell carcinoma

W15. Psoriasis - Adriana Rakowska, MD, PhD

W16. Bacterial infections - Mariusz Sikora, MD, PhD

W17. Viral infections - Danuta Fedorczyk, MD

- a) Primary and recurrent herpes
- b) Zoster
- c) Warts
- d) Molluscum contagiosum

W18. Cutaneous lymphomas - Joanna Czuwara, MD, PhD

W19. Lichen planus, mucous membranes - Prof. Małgorzata Olszewska, MD, PhD

W20. Dermatotomy and Lasers - Olga Warszawik-Hendzel, MD, PhD

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, human 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:

C21. Primary cutaneous T-cell lymphomas

- a) Mycosis fungoides
- b) Sezary syndrome

C22. Alopecia areata

C23. Borreliosis

- C24. Dermatomyositis
- C25. Dermatological treatment
 - a) Diagnostic and therapeutic techniques
 - b) Operative procedures
- C26. Erythema multiforme
- C27. Erythema nodosum
- C28. Erythrasma
- C29. Infestations
 - a) Scabies
 - b) Pediculosis
 - c) Tics
- C30. Leukocytoclastic vasculitis
- C31. Lichen planus
- C32. Pityriasis rosea
- C33. PLEVA
- C34. Premalignant skin conditions
- C35. Rosacea
- C36. Sarcoidosis
- C37. Skin manifestations in diabetes
- C38. Tuberculosis
- C39. Venous leg ulcer
- C40. Vitiligo
- C41. Pyoderma gangrenosum
- C42. Seborrhoeic dermatitis

Topics of lectures (venereal diseases)

- W43. Acquired early syphilis- Prof. Sławomir Majewski, MD, PhD
- W44. Late syphilis, hereditary syphilis- Prof. Sławomir Majewski, MD, PhD
- W45. Syphilis - serological investigation and interpretation of the results. Treatment of syphilis - Prof. Sławomir Majewski, MD, PhD
- W46. AIDS aetiology, pathogenesis, treatment- Prof. Sławomir Majewski, MD, PhD
- W47. Gonorrhoea- Prof. Sławomir Majewski, MD, PhD
- W48. Nongonococcal urethritis (NGU)- Prof. Sławomir Majewski, MD, PhD
- W49. HIV/AIDS- Prof. Sławomir Majewski, MD, PhD
 - a) Aetiology, pathogenesis
 - b) Cutaneous and mucosal symptoms of HIV/AIDS and other STDs
 - c) Treatment
- W50. Viral skin infections- Prof. Sławomir Majewski, MD, PhD
- W51. Epidemiology of STD- Prof. Sławomir Majewski, MD, PhD

Topics of laboratory classes and case presentation (Venereal diseases)

- C52. Laboratory exercises
- C53. Case presentation

7. Methods of verification of learning outcomes

Learning outcome corresponding to the subject (symbol)	Forms of classes (symbol)	Methods of verification of a learning outcome	Credit receiving criteria
Knowledge of etiology and symptoms of most common dermatologic diseases.	Lectures, patients' demonstration, unassisted and assisted physical examination of patients.	Colloquium	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.
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8. Evaluation criteria

Form of receiving credit in a subject:

grade	criteria
2.0 (failed)	Final exam- below 51% good answers
3.0 (satisfactory)	according to Gausse curve
3.5 (rather good)	according to Gausse curve
4.0 (good)	according to Gausse curve
4.5 (more than good)	according to Gausse curve
5.0 (very good)	according to Gausse curve

9. Literature

Obligatory literature/textbooks:

Fitzpatrick's Color Atlas and Synopsis of Clinical Dermatology, Seventh Edition McGraw-Hill, New York

Complementary literature/textbooks:

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

G.W. Csonka, J.K. Oates "Sexually transmitted diseases" 1990

10. ECTS credits calculation

<i>Form of activity</i>	<i>Number of hours</i>	<i>Number of ECTS credits</i>
Direct hours with an academic teacher:		
Lectures	36	1,4
Seminars	4	0,2
Practical classes	50	2,0

Student's independent work (*examples of the form of work*):

Student's preparation for a seminar	-	-
Student's preparation for a class	21	0,7
Preparation for obtaining credits	21	0,7
In total	131	5



OTOLARYNGOLOGY 1WF

1. Imprint

Faculty name:	Faculty of Medicine
Education program (<i>field of study, level and educational profile, form of studies, e.g., Public Health, 1st level studies, practical profile, full time</i>):	English Division, full level studies, practical profile, full time
Academic year:	2019/2020
Module/subject name:	Otolaryngology
Subject code (<i>from the Pensum system</i>):	45809
Educational units:	Department of Otolaryngology 02-097 Warszawa, ul. Banacha 1a
Head of the unit/s:	Prof. dr hab. n. med. Kazimierz Niemczyk
Study year (<i>the year during which the respective subject is taught</i>):	IV (IV-years programme)
Study semester (<i>the semester during which the respective subject is taught</i>):	Winter
Module/subject type (<i>basic, corresponding to the field of study, optional</i>):	basic
Teachers (<i>names and surnames and degrees of all academic teachers of respective subjects</i>):	Dr n. med. Barbara Jamróz, dr hab. n. med. Magdalena Lachowska, dr n. med. Arkadiusz Parprocki, dr hab. n. med. Anna Rzepakowska, dr. n. med. Jacek Sokołowski, dr n. med. Magdalena Arcimowicz, dr hab. n. med. Tomasz Gotlib, lek. Małgorzata Czesak, lek. Klaudyna Zwierzyńska, lek. Elżbieta Niemczyk, dr n. med. Daniel Majszyk, lek. Adam Orłowski, lek. Monika Maciejewska, dr n. med. Małgorzata Litwiniuk, lek. Magdalena Kuźmińska, lek. Paulina Kołodziejczyk, lek. Przemysław Krawczyk.
ERASMUS YES/NO (<i>Is the subject available for students under the ERASMUS programme?</i>):	yes

A person responsible for the syllabus (<i>a person to which all comments to the syllabus should be reported</i>)	Lek. Małgorzata Czesak, lek. Klaudyna Zwierzyńska
Number of ECTS credits:	3
2. Educational goals and aims	
<ol style="list-style-type: none"> 1. Basic knowledge of head and neck pathology 2. Ability of ENT examination 3. Ability of otoneurological examination 4. Rules of conduct in emergency situations in otorhinolaryngology, in particular breathlessness laryngeal, nose bleeding, fractures. 5. Principles of diagnostic and therapeutic procedures in disorders of hearing, voice and speech 	

3. Initial requirements		
<ol style="list-style-type: none"> 1. Knowledge of the anatomy of the head and neck 2. Knowledge about physiology and pathophysiology 		
4. Learning outcomes corresponding to the subject		
A list of course learning outcomes		
Symbol of course learning outcomes	Description of course learning outcomes	The reference to programme learning outcomes (number)
F.W1	Student knows and understands the issues of pediatric otolaryngology	
F.W12	<p>Students know the issues of ENT, audiology and phoniatrics, including:</p> <ol style="list-style-type: none"> 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. The 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. 	
F.U25	Performs basic study ENT: ear, nose, throat and larynx	
F.U 26	Student carries out whispered voice test to evaluate hearing in adults	
5. Forms of classes		
<i>Form</i>	<i>Number of hours</i>	<i>Number of groups</i>
<i>Lecture</i>	0	0
<i>Seminar</i>	15	1
<i>Practical classes</i>	45	4
6. Subject topics and educational contents		
<p><i>Department of otolaryngology:</i></p> <p><i>S1 (Seminar 1) - Epistaxis. Dr. A. Paprocki – W12a</i></p>		

S2 (Seminar 2) - Fractures of the ENT region. Doc. A. Rzepakowska - W12a, c, d

S3 (Seminar 3) – Carcinoma of oropharynx and oral Cavity W12a, e, f

S4 (Seminar 4) - Laryngeal and hypopharyngeal carcinoma. Dr. B. Jamróz – W12a, e, f

S5 (Seminar 5) - Carcinoma of paranasal sinuses and nasopharyngs. Dr. B. Jamróz – W12a, f

S6 (Seminar 6) - Rhinosinusitis. Doc. T. Gotlib – W12a

S6 (Seminar 6) – Diagnosis and management of dizzy patient. Dr. B. Jamróz – W12a

S7 (Seminar 7) - Rhinitis. Dr. M. Arcimowicz – W12a

S 8 (Seminar 8) Facial nerve palsy. Dr. A. Paprocki – W12a, b, d

S9 (Seminar 9) Stridor. Foreign bodies in the aerodigestive tract. Dr. J. Sokołowski – W12a, d, e

S 10 (Seminar 10) - Complications of inflammatory diseases in otolaryngology. Dr. J. Sokołowski – W12a, d

S11 (Seminar 11) - Otitis externa and media. Otagia. Doc. M. Lachowska – W12a

S12 (Seminar 12) - Hearing disorders. Doc. M. Lachowska – W12a, e

S13 (Seminar 13) - Neck masses. Salivary glands. Doc. A. Rzepakowska – W12a

S14 (Seminar 14) - Tonsils and adenoid - when is surgery indicated? Sleep apnea. Doc. A. Rzepakowska – W12a

S14 (Seminar 15) – Pediatric otolaryngology. Dr A. Paprocki – W1

C1-7 (Practical classes 1-7) - ENT examination: oral cavity, anterior and posterior rhinoscopy, otoscopy, indirect laryngoscopy.- U25

C8 (Practical classes 8) – Emergency room – U25

C9 (Practical classes 9) – Operating room – U25

C10 (Practical classes 10) – Labs – U26

7. Methods of verification of learning outcomes

Learning outcome corresponding to the subject (symbol)	Forms of classes (symbol)	Methods of verification of a learning outcome	Credit receiving criteria
W1	S15	Final test, report	Acceptable acquisition of learning outcomes
W12	S1-S14	Final test, report	Acceptable acquisition of learning outcomes
U25	C8-9	The correct execution of examinations on exercises	Acceptable acquisition of learning outcomes
U26	C10	The correct execution of examinations on exercises	Acceptable acquisition of learning outcomes

8. Evaluation criteria

Form of receiving credit in a subject:

grade	criteria
2.0 (failed)	0-20 points
3.0 (satisfactory)	21-25 points

3.5 (rather good)	26-27 points
4.0 (good)	28-30 points
4.5 (more than good)	31-32 points
5.0 (very good)	33-35 points

9. Literature

Obligatory literature:

1. ENT secrets, edited by Bruce W. Jafek, Bruce W. Murrow. - 3rd ed., Philadelphia, PA : Elsevier-Mosby, - The Secrets series.

Supplementary literature:

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.

10. ECTS credits calculation

<i>Form of activity</i>	<i>Number of hours</i>	<i>Number of ECTS credits</i>
Direct hours with an academic teacher:		
Lectures	0	0
Seminars	15	0,5
Practical classes	45	0,5
Student's independent work (<i>examples of the form of work</i>):		
Student's preparation for a seminar	10	0,5
Student's preparation for a class	20	0,5
Preparation for obtaining credits	10	1
Other (please specify)	0	0

11. Additional Information

white coat, shoes

12. Imprint	
<i>Faculty name:</i>	Faculty of Medicine with the English Division and the Physiotherapy Division
<i>Syllabus (field of study, level and educational profile, form of studies, e.g., Public Health, 1st level studies, practical profile, full time):</i>	English Division, 1 st level studies, practical profile, full time
<i>Academic year:</i>	2019/2020
<i>Module/subject name:</i>	Pediatric Otolaryngology
<i>Subject code (from the Pensum system):</i>	45810
<i>Educational units:</i>	Department of Pediatric Otolaryngology, UCK WUM DSK, Żwirki I Wigury 63a, 02091 Warszawa
<i>Head of the unit/s:</i>	Lidia Zawadzka-Głós, MD PhD.
<i>Study year (the year during which the respective subject is taught):</i>	6 th year (VI-years program)
<i>Study semester (the semester during which the respective subject is taught):</i>	1 st semester
<i>Module/subject type (basic, corresponding to the field of study, optional):</i>	Basic
<i>Teachers (names and surnames and degrees of all academic teachers of respective subjects):</i>	Piotr Kwast MD, Monika Jabłońska-Jesionowska MD PhD, Agata Wasilewska MD, Karolina Raczowska-Łabuda MD
<i>ERASMUS YES/NO (Is the subject available for students under the ERASMUS programme?):</i>	Yes
<i>A person responsible for the syllabus (a person to which all comments to the syllabus should be reported)</i>	Piotr Kwast MD
<i>Number of ECTS credits:</i>	1
13. Educational goals and aims	
1. Basic knowledge of head and neck pathology in children	
2. Ability of pediatric ENT examination	

3. Knowledge of head and neck structures development and their congenital disorders
4. Rules of conduct in emergency situations in pediatric otorhinolaryngology, especially foreign bodies, dyspnea and inflammatory complications
5. Principles of diagnostic and therapeutic procedures in disorders of hearing, voice and speech

14. Initial requirements

Knowledge of the anatomy of the head and neck. Knowledge about physiology and pathophysiology.

15. Learning outcomes corresponding to the subject

A list of learning outcomes

Symbol	Description
F.W12	Student knows the issues of pediatric otolaryngology, phoniatrics and audiology including: a) the reasons ,clinical course, treatment, complications, and prognosis of diseases of the ear, nose, paranasal sinuses, oral cavity, pharynx and larynx in children, b) diagnosis and treatment of mechanical injuries of ear, nose, larynx and oesophagus, c) the treatment of emergencies in pediatric otorhinolaryngology, especially in laryngeal dyspnea.
F.U25	Student performs basic ENT examination in the field of ear, nose, throat and larynx in children
F.U26	Student carries out whispered voice test to evaluate hearing in children

16. Forms of classes

Form	Number of hours	Number of groups
Lecture	0	
Seminar	6h	
Practical classes	9h	

17. Subject topics and educational contents

Seminars may be conducted via the University e-learning platform.

Seminar 1 (S1) – Diseases of the nose and paranasal sinuses in children

Seminar 2 (S2) – Diseases of the pharynx in children

Seminar 3 (S3) – Diseases of the ear in children

Seminar 4 (S4) – Diseases of the larynx and upper airways in children

C1-3 Practical classes in the Department of Pediatric Otolaryngology include ENT examination of children and a visit to the operating room.

18. Methods of verification of learning outcomes

Learning outcome corresponding to the subject (symbol)	Forms of classes (symbol)	Methods of verification of a learning outcome	Credit receiving criteria
F.W12	S1-4, C1-3	Final test (joint otolaryngology and pediatric otolaryngology exam)	Acceptable acquisition of learning outcomes
F.U25, F.U26	C1-3	The correct execution of examinations on exercises	Acceptable acquisition of learning outcomes

19. Evaluation criteria

Form of receiving credit in a subject: Final test (material – ENT and paediatric ENT)

grade	criteria
2.0 (failed)	0-20 points
3.0 (satisfactory)	21-25 points
3.5 (rather good)	26-27 points
4.0 (good)	28-30 points
4.5 (more than good)	31-32 points
5.0 (very good)	33-35 points

20. Literature

Obligatory literature:

1. Paediatric Otorhinolaryngology, (ed.) Chmielik M.: Medical University of Warsaw, 2010
2. ENT secrets, edited by Bruce W. Jafek, Bruce W. Murrow. - 3rd ed., Philadelphia, PA : Elsevier-Mosby, - The Secrets series.

Supplementary literature:

1. Paediatric Otolaryngology. (ed.) Ch.D. Bluestone. Saunders Elsevier-Science (USA), 2003.
2. Lusk R.: Paediatric sinusitis. Raven Press NY 1992.
3. Sih T., Fior R.: Paediatric Otorhinolaryngology Manual. IFOS Standing Committee for Paediatric Otorhinolaryngology, 1996.
4. Current diagnosis and treatment in otolaryngology: head and neck surgery, New York: McGraw-Hill, 2004, LANGE medical
5. Essentials of otolaryngology / Eds.: Frank E. Lucente; Eds.: Gady Har-El., 5th ed., Philadelphia : Lippincott Williams & Wilkins, 2004.

21. ECTS credits calculation

<i>Form of activity</i>	<i>Number of hours</i>	<i>Number of ECTS credits</i>
Direct hours with an academic teacher:		

Lectures	<i>0</i>	<i>0</i>
Seminars	<i>6h</i>	<i>0,4</i>
Practical classes	<i>9h</i>	<i>0,6</i>
<i>Student's independent work (examples of the form of work):</i>		
Other (please specify)	<i>15</i>	<i>1</i>

22. Additional Information

Practical classes are held at the Department of Pediatric Otolaryngology, Children's Hospital, Żwirki i Wigury 63A – floor 4, Department 4H.

Students are required to change before classes in the student's cloakroom on level -1, with hospital shoes and white coat.

23. Imprint	
<i>Faculty name:</i>	Second Faculty of Medicine with the English Division and the Physiotherapy Division
<i>Syllabus (field of study, level and educational profile, form of studies, e.g., Public Health, 1st level studies, practical profile, full time):</i>	English Division, 1 st level studies, practical profile, full time
<i>Academic year:</i>	2019/2020
<i>Module/subject name:</i>	Pediatric Otolaryngology
<i>Subject code (from the Pensum system):</i>	45810
<i>Educational units:</i>	Department of Pediatric Otolaryngology, UCK WUM DSK, Żwirki I Wigury 63a, 02091 Warszawa
<i>Head of the unit/s:</i>	Lidia Zawadzka-Głos, MD PhD.
<i>Study year (the year during which the respective subject is taught):</i>	6 th year (VI-years program)
<i>Study semester (the semester during which the respective subject is taught):</i>	1 st semester
<i>Module/subject type (basic, corresponding to the field of study, optional):</i>	Basic
<i>Teachers (names and surnames and degrees of all academic teachers of respective subjects):</i>	Piotr Kwast MD, Monika Jabłońska-Jesionowska MD PhD, Agata Wasilewska MD, Karolina Raczkowska-Łabuda MD
<i>ERASMUS YES/NO (Is the subject available for students under the ERASMUS programme?):</i>	Yes
<i>A person responsible for the syllabus (a person to which all comments to the syllabus should be reported)</i>	Piotr Kwast MD
<i>Number of ECTS credits:</i>	1
24. Educational goals and aims	
<ol style="list-style-type: none"> 1. Basic knowledge of head and neck pathology in children 2. Ability of pediatric ENT examination 	

3. Knowledge of head and neck structures development and their congenital disorders
4. Rules of conduct in emergency situations in pediatric otorhinolaryngology, especially foreign bodies, dyspnea and inflammatory complications
5. Principles of diagnostic and therapeutic procedures in disorders of hearing, voice and speech

25. Initial requirements

Knowledge of the anatomy of the head and neck. Knowledge about physiology and pathophysiology.

26. Learning outcomes corresponding to the subject

A list of learning outcomes

Symbol	Description
F.W12	Student knows the issues of pediatric otolaryngology, phoniatrics and audiology including: a) the reasons ,clinical course, treatment, complications, and prognosis of diseases of the ear, nose, paranasal sinuses, oral cavity, pharynx and larynx in children, b) diagnosis and treatment of mechanical injuries of ear, nose, larynx and oesophagus, c) the treatment of emergencies in pediatric otorhinolaryngology, especially in laryngeal dyspnea.
F.U25	Student performs basic ENT examination in the field of ear, nose, throat and larynx in children
F.U26	Student carries out whispered voice test to evaluate hearing in children

27. Forms of classes

Form	Number of hours	Number of groups
Lecture	0	
Seminar	6h	
Practical classes	9h	

28. Subject topics and educational contents

Seminars may be conducted via the University e-learning platform.

Seminar 1 (S1) – Diseases of the nose and paranasal sinuses in children

Seminar 2 (S2) – Diseases of the pharynx in children

Seminar 3 (S3) – Diseases of the ear in children

Seminar 4 (S4) – Diseases of the larynx and upper airways in children

C1-3 Practical classes in the Department of Pediatric Otolaryngology include ENT examination of children and a visit to the operating room.

29. Methods of verification of learning outcomes

Learning outcome corresponding to the subject (symbol)	Forms of classes (symbol)	Methods of verification of a learning outcome	Credit receiving criteria
F.W12	S1-4, C1-3	Final test (joint otolaryngology and pediatric otolaryngology exam)	Acceptable acquisition of learning outcomes
F.U25, F.U26	C1-3	The correct execution of examinations on exercises	Acceptable acquisition of learning outcomes

30. Evaluation criteria

Form of receiving credit in a subject: Final test (material – ENT and paediatric ENT)

grade	criteria
2.0 (failed)	0-20 points
3.0 (satisfactory)	21-25 points
3.5 (rather good)	26-27 points
4.0 (good)	28-30 points
4.5 (more than good)	31-32 points
5.0 (very good)	33-35 points

31. Literature

Obligatory literature:

1. Paediatric Otorhinolaryngology, (ed.) Chmielik M.: Medical University of Warsaw, 2010
2. ENT secrets, edited by Bruce W. Jafek, Bruce W. Murrow. - 3rd ed., Philadelphia, PA : Elsevier-Mosby, - The Secrets series.

Supplementary literature:

1. Paediatric Otolaryngology. (ed.) Ch.D. Bluestone. Saunders Elsevier-Science (USA), 2003.
2. Lusk R.: Paediatric sinusitis. Raven Press NY 1992.
3. Sih T., Fior R.: Paediatric Otorhinolaryngology Manual. IFOS Standing Committee for Paediatric Otorhinolaryngology, 1996.
4. Current diagnosis and treatment in otolaryngology: head and neck surgery, New York: McGraw-Hill, 2004, LANGE medical
5. Essentials of otolaryngology / Eds.: Frank E. Lucente; Eds.: Gady Har-El., 5th ed., Philadelphia : Lippincott Williams & Wilkins, 2004.

32. ECTS credits calculation

<i>Form of activity</i>	<i>Number of hours</i>	<i>Number of ECTS credits</i>
Direct hours with an academic teacher:		

Lectures	<i>0</i>	<i>0</i>
Seminars	<i>6h</i>	<i>0,4</i>
Practical classes	<i>9h</i>	<i>0,6</i>
<i>Student's independent work (examples of the form of work):</i>		
Other (please specify)	<i>15</i>	<i>1</i>

33. Additional Information

Practical classes are held at the Department of Pediatric Otolaryngology, Children's Hospital, Żwirki i Wigury 63A – floor 4, Department 4H.

Students are required to change before classes in the student's cloakroom on level -1, with hospital shoes and white coat.



CLINICAL PHARMACOLOGY

Faculty name:	Faculty of Medicine, English Division
Education program (<i>field of study, level and educational profile, form of studies, e.g., Public Health, 1st level studies, practical profile, full time</i>):	Medical, the theoretical and practical, full-time
Academic year:	2019 / 2020
Module/subject name:	Clinical Pharmacology
Subject code (<i>from the Pensum system</i>):	45806
Educational 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 the unit/s:	Prof. Dagmara Mirowska-Guzel MD, PhD, SciD tel. (+48) 022 1166160
Study year (<i>the year during which the respective subject is taught</i>):	IV year
Study semester (<i>the semester during which the respective subject is taught</i>):	VII semester
Module/subject type (<i>basic, corresponding to the field of study, optional</i>):	Basic
Teachers (<i>names and surnames and degrees of all academic teachers of respective subjects</i>):	Ewa Widy-Tyszkiewicz MD, PhD, SciD Aleksandra Wisłowska-Stanek MD, PhD, SciD Iwona Korzeniewska-Rybicka MD, PhD

	Jan Bembenek MD, PhD. Justyna Pyrzanowska MD, PhD Maciej Niewada MD, PhD, SciD Wojciech Masełbas MD, PhD	
ERASMUS YES/NO (<i>Is the subject available for students under the ERASMUS programme?</i>):	YES	
A person responsible for the syllabus (<i>a person to which all comments to the syllabus should be reported</i>)	Maciej Niewada MD, PhD, SciD tel. (+48) 691745377	
Number of ECTS credits:	5 points	
35. Educational goals and aims		
6. Acquisition of facts, concepts and principles of rational pharmacotherapy in clinical practice.		
7. Understanding the basic benefits, dangers and difficulties associated with drug use.		
36. Initial requirements		
Basic background in the field of pharmacology, toxicology and clinical medicine.		
37. Learning outcomes corresponding to the subject		
A list of course learning outcomes		
Symbol of course learning outcomes	Description of course learning outcomes	The reference to programme learning outcomes (number)
W1	knows the main mechanisms of drug action and their changes in the body depending on age	C.W35
W2	determines the impact of diseases on metabolism and elimination of drugs;	C.W36
W3	knows the basic principles of pharmacotherapy;	C.W37
W4	knows the indications for genetic testing performed to ensure individualized pharmacotherapy;	C.W40

W5	knows the basic directions of development of therapy, in particular the possibility of cell therapy and gene therapy, targeted at specific diseases;	C.W41
W6	knows the basic concepts of general toxicology	C.W42
W7	knows the groups of drugs which abused can lead to poisoning;	C.W43
W8	knows the symptoms of the most common acute intoxications, including alcohol, drugs and other psychoactive substances, heavy metals and selected groups of drugs	C.W44
W9	knows the basic rules of procedures in the diagnostic of poisonings	C.W45
W10	knows and understands the causes, symptoms, principles of diagnosis and therapeutic management in relation to the most common internal diseases	E.W7
W11	knows and understands the basic principles of pharmacotherapy of elderly people;	E.W10
W12	knows and understands the causes, symptoms, principles of diagnosis and therapeutic management of the most common diseases of the nervous system	E.W14
W13	knows the principles of treatment of pain	E.W29
W14	lists indications for the implementation of monitored therapy	E.W40
W15	defines basic pharmacoeconomics parameters	E.W41
W16	knows the basic pharmaceutical regulations	G.W11
U1	selects drugs in appropriate doses in order to correct the pathological phenomena in the body and in individual organs;	C.U14
U2	designs the rational chemotherapy regimen of infections, the empirical and targeted	C.U15
U3	uses pharmaceutical informers and databases on medicinal products	C.U17

U4	estimates toxicological risk in specific age groups and in conditions of liver and kidney failure, and also prevents drug intoxication;	C.U18
U5	plans diagnostic, therapeutic and preventive activities	E.U16
U6	analyzes the possible side effects of individual drugs and interactions between them	E.U17
U7	proposes the individualization of existing therapeutic guidelines and other methods of	E.U18
U8	recognizes the symptoms of drug dependence and proposes therapeutic	E.U19
U9	interprets the pharmaceutical characteristics of medicinal products and critically assesses	E.U31
U10		E.U33
U11	monitors the condition of the patient poisoned by chemical substances or drugs	E.U34
K1	is guided by the good of the patient prioritizes it	K.S2
K2	follows medical confidentiality and patient's rights	K.S3
K3	has awareness of its own limitations and the ability to continually improve itself	K.S4

38. Forms of classes

<i>Form</i>	<i>Number of hours</i>	<i>Number of groups</i>	
<i>Lectures</i>	<i>15</i>	<i>1</i>	
<i>Seminars</i>	<i>15</i>	<i>4</i>	
<i>Practical classes</i>	<i>20</i>	<i>20</i>	

39. Subject topics and educational contents

Seminars and practical classes:

1. Therapy of asthma and chronic obstructive pulmonary disease EWT – W1, W3, W10, W3, U1, U7
2. Clinical trials and drug development. Good clinical practice. On label and off label use of drugs. WM – W3, W4, W16, U3, U9
3. Prenatal and pediatric pharmacology EWT – W1; W2
4. Psychoses and behavioural emergencies treatment JB – W1, W3, W12, U7, U8
5. Pharmacology of GI disorders – peptic ulcer, GERD, IBDs, pancreatitis and liver cirrhosis. CEP – W1, W3, U7
6. Hypertension treatment IKR – W1, W3, U5, U7
7. Clinical pharmacology of cardiovascular drugs – Cardiovascular risk control; VTE/PE – prevention and treatment. WM – W1, W3, U5, U7

8. Chemotherapy of microbial diseases – rationale, guidelines and every day practice. WM – W1, W3, U2
9. Therapy of mood disorders EWT – W1, W3, U5
10. Herbal treatment. Food supplements. EWT – W3, U3
11. Endocrine system and metabolic disorders treatment MN – W1, W3, U5
12. Clinical pharmacology of neurological disorders (stroke, epilepsy, and migraine treatment) MN – W12, U7
13. Analgesics and the control of pain MN – W13, U7, U8
14. Pharmacology of emergencies and acute states. AWS – W2, W3, U7

Lectures:

1. Health technology assessment – focus on drugs. MN – W3, W15, W16, U3
2. Pharmacovigilance. JP – W10, U3
3. Pharmacogenomics. IKR – W4, W5, U7
4. Movement disorders and degenerative CNS diseases JB – W12, U7
5. Ischaemic heart disease treatment WM – U5, U7
6. Heart failure and cardiac arrhythmias treatment WM – U5, U7
7. Skin disorders treatment JP – U5, U7
8. Biotechnological drugs IKR – W5, U3
9. Therapeutic drug monitoring. CEP – W2, W3, W14, U7, U11
10. Therapy of poisoned patient EWT – W6, W7, W8, W9, U4, U10, U11
11. Individual variation and drug interactions JB – W1, W2, W3, W10, U1, U6, U7
12. Special aspects of geriatric pharmacology WM – W1, W2, W3, W11, U7

40. Methods of verification of learning outcomes

Learning outcome corresponding to the subject (symbol)	Forms of classes (symbol)	Methods of verification of a learning outcome	Credit receiving criteria
W1-W16; U1-U11	Practical classes, seminars, lectures	multiple choice test or oral exam	>50%

Form of receiving credit in a subject:

Grade	Criteria
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%	
41. Literature/Textbooks		
Obligatory literature/textbooks:		
<ol style="list-style-type: none"> 1. Humphrey P. Rang, James M. Ritter, Rod J. Flower, Graeme Henderson. Rang & Dale's Pharmacology, 8th Edition. 2016. 2. Bertram G. Katzung. Basic and Clinical Pharmacology 14th Edition. 2018. 3. Laurence Brunton, Bruce A. Chabner, Bjorn Knollman. Goodman and Gilman's The Pharmacological Basis of Therapeutics, 12th Edition. 2011. 		
Complementary literature/textbooks:		
<ol style="list-style-type: none"> 4. Karen Whalen. Lippincott Illustrated Reviews: Pharmacology 6th edition. 2015. 5. KD. Tripathi. Essentials of Medical Pharmacology 7th Edition. 2013. 6. Guidelines of medical societies. www.guidelines.gov and regulatory agencies: ema.europa.eu; fda.gov 		
42. ECTS credits calculation		
Form of activity	Number of hours	Number of ECTS credits
Direct hours with an academic teacher:		
Lectures	15	½
Seminars	15	½
Practical classes	20	½
Student's independent work (examples of the form of work):		
Student's preparation for a seminar	25	1
Preparation workload to conducting activities	15	½
Preparation workload to credits	50	2
Other (what exactly?)	-	-
In total	140	5

43. Additional information

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.*

1. Imprint	
Faculty name:	Faculty of Medicine
Education program (<i>field of study, level and educational profile, form of studies, e.g., Public Health, 1st level studies, practical profile, full time</i>):	Faculty of Medicine, English Division, 6-year program
Academic year:	2019/2020
Module/subject name:	Pediatric Radiology
Subject code (<i>from the Pensum system</i>):	e6_ed_s0
Educational units:	Department of Pediatric Radiology
Head of the unit/s:	Michał Brzewski, MD, PhD
Study year (<i>the year during which the respective subject is taught</i>):	4th year (6-year program)
Study semester (<i>the semester during which the respective subject is taught</i>):	Winter/summer semester
Module/subject type (<i>basic, corresponding to the field of study, optional</i>):	Basic course
Teachers (<i>names and surnames and degrees of all academic teachers of respective subjects</i>):	Michał Brzewski, MD, PhD Przemysław Bombiński, MD Remigiusz Krysiak, MD Dominik Nguyen, MD Ayad Al-Janabi, MD
ERASMUS YES/NO (<i>Is the subject available for students under the ERASMUS programme?</i>):	YES
A person responsible for the syllabus (<i>a person to which all comments to the syllabus should be reported</i>):	Przemysław Bombiński, MD
Number of ECTS credits:	1,2
2. Educational goals and aims	
<p>The course program offers to students the basic information connected with:</p> <ol style="list-style-type: none"> 1. practical algorithms in diagnostic imaging in pediatrics, 2. assessment of the effectiveness of several diagnostic imaging modalities (X-ray, ultrasound, computed tomography, magnetic resonance) applied to the most common clinical conditions in pediatrics. 	

3. Initial requirements

Students should be familiar with basics of general pediatrics and general radiology – diagnostic imaging procedures.

4. Learning outcomes corresponding to the subject

A list of course learning outcomes

Symbol of course learning outcomes	Description of course learning outcomes	The reference to programme learning outcomes (number)
<i>(the course code)_ (number of the learning outcome and its category K-knowledge, S-skills, C-competence)</i>		
K1	The student should make familiar with: - basic algorithms in diagnostic imaging in children - basic interpretation of most common pathologies in children, using several diagnostic imaging modalities.	F.W10
S1	The student should make familiar how to plan patients' diagnostics using appropriate imaging modalities.	A.U4

5. Forms of classes

Form	Number of hours	Number of groups
Lecture		
Seminar	18	1
Practical classes		

6. Subject topics and educational contents

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 – Przemysław Bombiński, MD.

7. Methods of verification of learning outcomes

Learning outcome corresponding to the subject (symbol)	Forms of classes (symbol)	Methods of verification of a learning outcome	Credit receiving criteria
K1, S1	seminars	Reports from classes	In order to obtain a course credit the student is obliged to attend classes regularly.

8. Evaluation criteria

Form of receiving credit in a subject:

In order to obtain a course credit the student is obliged to attend classes regularly.

grade	criteria
2.0 (failed)	
3.0 (satisfactory)	
3.5 (rather good)	
4.0 (good)	
4.5 (more than good)	
5.0 (very good)	

9. Literature

Obligatory literature:

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

Supplementary literature:

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

10. ECTS credits calculation

<i>Form of activity</i>	<i>Number of hours</i>	<i>Number of ECTS credits</i>
Direct hours with an academic teacher:		
Lectures		
Seminars	18	1,2
Practical classes		
Student's independent work (<i>examples of the form of work</i>):		
Student's preparation for a seminar		

Student's preparation for a class		
Preparation for obtaining credits		
Other (please specify)		
11. Additional Information		
<i>(e.g., information on a scientific association operating within the unit, information on commuting to university, etc.)</i>		



PAEDIATRIC SURGERY

44. Imprint

<i>Faculty name:</i>	Medical Faculty. English Division.
<i>Syllabus (field of study, level and educational profile, form of studies, e.g., Public Health, 1st level studies, practical profile, full time):</i>	Medical Faculty, 6 year English programme, full time
<i>Academic year:</i>	2019-2020
<i>Module/subject name:</i>	Paediatric Surgery
<i>Subject code (from the Pensum system):</i>	45796
<i>Educational units:</i>	Department of Cardiac & General Paediatric Surgery
<i>Head of the unit/s:</i>	Prof. Maciej Karolczak MD, PhD
<i>Study year (the year during which the respective subject is taught):</i>	4 th
<i>Study semester (the semester during which the respective subject is taught):</i>	
<i>Module/subject type (basic, corresponding to the field of study, optional):</i>	Obligatory clinical
<i>Teachers (names and surnames and degrees of all academic teachers of respective subjects):</i>	Maciej Karolczak MD, PhD, Jacek Pająk MD PhD, Jacek Wieteska MD, Aleksandra Wawrzonkoska MD, Wojciech Mądry MD, Stanisław Warchoń MD, Dariusz Horsztyński MD, Tomasz Jakutowicz MD, Sławomir Barszcz MD
<i>ERASMUS YES/NO (Is the subject available for students under the ERASMUS programme?):</i>	YES

<p><i>A person responsible for the syllabus (a person to which all comments to the syllabus should be reported)</i></p>	<p>Wojciech Mądry MD</p>
<p><i>Number of ECTS credits:</i></p>	
<p>45. Educational goals and aims</p>	
<ol style="list-style-type: none"> 8. At the end of the course students should be able to understand a multidisciplinary approach to the diagnosis and surgical treatment of various congenital malformations and diseases. 9. Understand the main differences between general surgery and age defined pediatric surgery 10. Formulate the plan of action for common neonatal and pediatric surgical emergencies (e.g. abdominal, thoracic, cardiovascular, urologic, burn injury). 11. Get acquainted with time-schedule for planned surgery in childhood. 12. To get acquainted with medical issues in the diagnosis and management of trauma in Pediatric Trauma Department. Acquiring additional knowledge and competence to solve problems in pediatric head trauma, spine injuries, peripheral nerves damage and injured eyes. 	

46. Initial requirements

3. Detailed knowledge of gross anatomy and physiology.
4. Understanding of modern diagnostic tools (usg, CT, MR, Xray)
5. Basics in pharmacology.

47. Learning outcomes corresponding to the subject**A list of course learning outcomes**

Symbol of course learning outcomes	Description of course learning outcomes	The reference to programme learning outcomes (number)
<i>W-1</i>	<i>Understanding of pathophysiology of selected congenital heart defects</i>	<i>EW3b</i>
<i>W-2</i>	<i>Diagnostics for paediatric cardiovascular surgery</i>	<i>FW1</i>
<i>W-3</i>	<i>Technique of cardiopulmonary bypass in children</i>	<i>FW3, FW6, FW7, FU12</i>
<i>U-1</i>	<i>Rules of qualification for cardiovascular surgery in childhood</i>	<i>FW2</i>
<i>W-4</i>	<i>Indications for surgery in neonates</i>	<i>FW1, FW7,EU14</i>
<i>U-2</i>	<i>Qualification rules for surgery in children</i>	<i>FW2</i>
<i>K-1</i>	<i>Pre-operative management of acute abdomen</i>	<i>FW4</i>
<i>K-2</i>	<i>Diagnosis of peritonitis in children</i>	<i>FW3, EW3e</i>
<i>U-3</i>	<i>Diagnosis of acute abdominal diseases (appendicitis)</i>	<i>FW1, FW3</i>
<i>K-3</i>	<i>Burn injury management</i>	<i>FW1, FW5</i>
<i>W-5</i>	<i>Trauma management in children</i>	<i>FW1, FW2, FW6, FU7</i>
<i>U-4</i>	<i>Implementation of procedures for injuries management in children</i>	<i>FW1,EW5</i>
<i>K-4</i>	<i>Management in head trauma</i>	<i>FW1, FW13,FU21, FU22</i>
<i>W-6</i>	<i>One day surgery</i>	<i>FW1</i>
<i>W-7</i>	<i>Urological malformations in children</i>	<i>FW1, EW3f</i>

48. Forms of classes

<i>Form</i>	<i>Number of hours</i>	<i>Number of groups</i>
<i>Lecture</i>		
<i>Seminar</i>		

Practical classes		
49. Subject topics and educational contents		
<p>S1 (Monday 1) – Diagnostics & Surgery for Congenital Heart Defects – teacher: Wojciech Mądry MD, Jacek Pająk MD PhD: W-1, W-2, U-1</p> <p>C1-Practical Class (every day) – Cardiovascular Surgery- Operative Theatre prof. Maciej Karolczak MD PhD, Jacek Pająk MD PhD: W-3, U-1</p> <p>S2 (Monday 2) – Selected Respiratory Tract Malformations .- teacher: Jacek Wieteska MD: W-4, U-2</p> <p>S3/C3 (Tuesday 1) – Management of Burn Injury in Children. – teacher: Jacek Wieteska MD; W-5, K-3, U-4</p> <p>S4 (Tuesday 2)– One-day stay Surgical Procedures – teacher: Aleksandra Wawrzonkoska MD:W-6, U-2</p> <p>S5/W5/C5 – “Wednesday=Trauma day” at Dept. of Neurotraumatology, Traumatology & Ophthalmology: W-5, U-4, K-4 – teacher: Dariusz Jakotowicz MD (orthopedics), Dariusz Horsztyński MD, Sławomir Barszcz MD (neurosurgery)</p> <p>S6 (Thursday 1) – Neonatal Surgery. Teacher: Prof. Maciej Karolczak MD PhD : W-4,U-2</p> <p>S7 – (Thursday 2)- Appendicitis and Acute Abdominal Diseases. Teacher: Aleksandra Wawrzonkoska MD: K-1, K-2, U-3.</p> <p>S8 – Pediatric Urology, teacher: Stanislaw Warchol MD: W-7, U-2</p>		
<p>50. Methods of verification of learning outcomes: 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).</p>		
51. Evaluation criteria		
Form of receiving credit in a subject:		
grade	Criteria (total number of right answers)	
2.0 (failed)	12 or less	
3.0 (satisfactory)	13	
3.5 (rather good)	14	
4.0 (good)	15-16	
4.5 (more than good)	17-18	
5.0 (very good)	19-20	
52. Literature		
<p><i>Obligatory literature:</i></p> <ol style="list-style-type: none"> Pediatric Surgery. 7th. Edition. Coran A.G. Elsevier Inc.Saunders. 2012 ISBN: 978-0-323-07255 Handbook of Neurosurgery. Greenberg MS., Thieme Medical Publishers, New York 2001 Imaging Trauma and Polytrauma in Pediatric Patients. Miele V., Trinci M. Springer, Berlin, 2014 <p><i>Supplementary literature:</i></p>		

1. Management of Brain Injured Children Oxford Medical Publications 2006 by [Richard Appleton](#) (Editor), [Tony Baldwin](#) (Editor)
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)

53. ECTS credits calculation

<i>Form of activity</i>	<i>Number of hours</i>	<i>Number of ECTS credits</i>
Direct hours with an academic teacher:		
Lectures		
Seminars		
Practical classes		
Student's independent work (<i>examples of the form of work</i>):		
Student's preparation for a seminar		
Student's preparation for a class		
Preparation for obtaining credits		
Other (please specify)		
Total		

54. Additional Information

(e.g., information on a scientific association operating within the unit, information on commuting to university, etc.)

55. Imprint	
Faculty name:	2 nd Faculty of Medicine
Education program (<i>field of study, level and educational profile, form of studies, e.g., Public Health, 1st level studies, practical profile, full time</i>):	English Division
Academic year:	2019-2020
Module/subject name:	Hematology
Subject code (<i>from the Pensum system</i>):	40991
Educational units:	Department of Hematology, Oncology and Internal Medicine, WUM
Head of the unit/s:	Prof. Grzegorz Basak, M.D., Ph.D.
Study year (<i>the year during which the respective subject is taught</i>):	4 th in 6YS
Study semester (<i>the semester during which the respective subject is taught</i>):	Winter and Summer
Module/subject type (<i>basic, corresponding to the field of study, optional</i>):	Basic
Teachers (<i>names and surnames and degrees of all academic teachers of respective subjects</i>):	Prof. Grzegorz Basak M.D. Ph.D., Prof. Wiesław Wiktor Jędrzejczak M.D. Ph.D., Emilian Snarski M.D. Ph.D., Piotr Kacprzyk M.D., Jarosław Biliński M.D. Ph.D., Anna Waszczuk M.D. Ph.D., Michał Górka M.D., Joanna Drozd 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., Rafał Machowicz M.D. Ph.D.
ERASMUS YES/NO (<i>Is the subject available for students under the ERASMUS programme?</i>):	YES
A person responsible for the syllabus (<i>a person to which all comments to the syllabus should be reported</i>)	Rafał Machowicz M.D. Ph.D.
Number of ECTS credits:	
56. Educational goals and aims	

13. Preparation of students to diagnose neoplastic and non-neoplastic disorders of the blood
14. Preparation of students to use methods of supportive care essential for patients with blood disorders
15. 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

57. Initial requirements

Hematopoiesis and lymphopoiesis, basics of immunology, basics of hemostasis and thrombosis, general medical knowledge from the previous courses.

58. Learning outcomes corresponding to the subject**A list of course learning outcomes**

Symbol of course learning outcomes	Description of course learning outcomes	The reference to programme learning outcomes (number)
W1-2, S3, S5	Knows basic aspects associated with stem cells and their medical use.	B.W23
W1-2, S2, S5	Describes genetic basis for donor and recipient matching	C.W24
W1-2, S1-16, C1-10	Knows and understands 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 neoplasia, myelodysplastic syndromes, neoplasia of mature T and B cells, bleeding disorders, thrombophili, disturbances in blood in the course of disorders of other organs.	E.W7
C1-10	Takes medical history related to neoplastic and nonneoplastic blood disorders from an adult patient	E.U1
C1-10	Performs 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.U3
W1-2, S1-16, C1-10	Performs differential diagnosis of the most important blood disorders in an adult patient	E.U12
W1-2, S1-16, C1-10	Diagnoses conditions associated with a direct threat to life produced by neoplastic and non-neoplastic blood disorders	E.U14
W1-2, S1-16, C1-10	Qualifies patients with suspected/confirmed blood disorders to outpatient/inpatient care	E.U20
W1-2, S1-16, C1-10	Interprets laboratory results (especially: complete blood count, protein abnormalities, and coagulogram) and identifies causes of their abnormalities	E.U24
C1-20	Examines lymph nodes	F.U6

59. Forms of classes

<i>Form</i>	<i>Number of hours</i>	<i>Number of groups</i>
<i>Lecture</i>	4	

<i>Seminar</i>	16	
<i>Practical classes</i>	10	

60. Subject topics and educational contents

Seminars and lectures take place:

Banacha1a, Bldg C, basement: Bank Komórek Krwiotwórczych

Bedside classes take place: Banacha1a, Bldg D, 4th floor

Due to the availability of room some changes might apply so please check the schedule before the classes

Lectures (Prof. Wiesław Wiktor Jedrzejczak, M.D., Ph.D.)

W1. Scientific basis of hematology.

W2. Hematopoietic cell transplantation.

– the dates of the lectures TBA

Monday

S1: 8.15 – 9.15 Introduction to hematology **Grzegorz Basak, M.D., Ph.D.**

S2: 9.15 – 10.15 General approach to hematologic patient. Approach to the patient with an abnormal complete blood count **Piotr Kacprzyk M.D.**

C1-2: 10:30 - 12:00 Bedside classes: participation in rounds in inpatient hematology unit, day clinic, intensive hematology unit. **Different teachers**

S3: 12.15-13.15 Plasma cell disorders (demonstration of cases multiple myeloma, light chain disease) **Piotr Boguradzki M.D. Ph.D.**

Tuesday

C 3-5 8:15 – 10:30 Bedside classes: participation in rounds in inpatient hematology unit, day clinic, intensive hematology unit. **Different teachers**

S4: 10:45 – 11:45 Acute Leukemias **Grzegorz Basak, M.D., Ph.D.**

S5: 12:00 – 13:00 Myelodysplastic syndromes (demonstration of cases of MDS) **Krzysztof Mądry M.D. Ph.D.**

Wednesday

S6-7, 8:15-10:00 Approach to a patient with coagulopathy. Demonstration of cases of hemophilia, DIC, and thrombophilia. **Rafał Machowicz M.D. Ph.D.**

C6-7: 10:15-12:00 Bedside classes: participation in rounds in inpatient hematology unit, day clinic, intensive hematology unit. **Different teachers**

S8: 12:15-13:15 Hematopoietic stem cell transplantation **Emilian Snarski M.D. Ph.D.**

Thursday

S9-10, 8:15 - 10:00 Lymphoma (non-Hodgkin lymphoma, Hodgkin lymphoma) (approach to the patient with lymphadenopathy, demonstration of cases of lymphoma) **Joanna Drozd M.D. Ph.D.**

C8-10: 10:15-12:00 Bedside classes: participation in rounds in inpatient hematology unit, day clinic, intensive hematology unit. **Different teachers**

S11: 12:15-13:15 Cytopenias **Karol Lis M.D.**

Friday

S12: 8:15-9:15 Introduction to transfusion medicine **Sara Zawadzka-Leska M.D.**

S13-14, 9:30-10:45 Myeloproliferative disorders (demonstration of cases of chronic myelocytic leukemia, polycythemia vera, myelofibrosis) **Magdalena Małek M.D. Ph.D**

S15-16: 11:00-12:45 Anemias (demonstration of cases of anemias) **Mateusz Ziarkiewicz M.D. Ph.D.**

61. Methods of verification of learning outcomes

Learning outcome corresponding to the subject (symbol)	Forms of classes (symbol)	Methods of verification of a learning outcome	Credit receiving criteria
E.W7,E.U12, 14, 20, 24	W1-2	Multiple choice question test	Pass the MCQ
E.W7,E.U12, 14, 20, 24	S1-S16	Multiple choice question test	Pass the MCQ
E.W7,E.U1,3,12, 14,20,24	C1-C10	Multiple choice question test	Pass the MCQ

62. Evaluation criteria

Form of receiving credit in a subject: presence during classes and electronic test at the end of the classes – the test consists of 30 random questions (including blood counts). The students failing test can write it for the second time. In case of second failure oral retake takes place. If the oral retake fails – the course is failed and has to be repeated. There is no possibility to improve grades for Erasmus students by oral retakes.

grade	criteria
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2.0 (failed)	<i>0-17 points from the test</i>
3.0 (satisfactory)	<i>18-20 points from the test</i>
3.5 (rather good)	<i>21-22 points from the test</i>
4.0 (good)	<i>23-25 points from the test</i>
4.5 (more than good)	<i>26-28 points from the test</i>
5.0 (very good)	<i>29-30 points from the test</i>

63. Literature:

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

64. ECTS credits calculation

<i>Form of activity</i>	<i>Number of hours</i>	<i>Number of ECTS credits</i>
Direct hours with an academic teacher:		
Lectures		
Seminars	20	1,3
Practical classes	10	0,7
Student's independent work (<i>examples of the form of work</i>):		
Student's preparation for a seminar		
Student's preparation for a class		
Preparation for obtaining credits		
Other (please specify)		

65. Additional Information

Student Scientific Group – tutor: prof. Wiesław Wiktor Jędrzejczak M.D. Ph.D.



CARDIOLOGY

66. Imprint

Name of faculty:	Medical Faculty, English Division
Programme of study (field of study, level and educational profile, form of study eg.: 2nd Faculty of Medicine, English Division, intramural, full-time):	Adult's cardiology, English Division – 6 years intramural study, 2 nd Faculty of Medicine
Academic year:	2019/2020
Name of module/ subject:	Cardiology
Subject/course code:	45799
Units conducting the course:	Department of Cardiology
Head of the Unit/Department:	Prof Grzegorz Opolski
Year of study (year on which the course is conducted):	4 th year
Semester of study (semester on which the course is conducted):	7 th semester
Type of module/subject (basic course, specialization course, optional course):	Basic course
ALL the persons conducted activities (names, surnames and their degrees):	Department of Cardiology staff
Erasmus YES/NO (if the course is available for the Erasmus students):	Yes
The person in charge of syllabus (the person to whom remarks can be directed):	Michał Marchel MD, PhD
Number of ECTS:	2,0

67. Educational objectives

16. 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.

68. Prerequisite requirements

1. Fluency in polish language allowing contact with patients
2. Basic knowledge of cardiovascular physiology and pathophysiology

3. Basic skills on physical examination and history taking			
69. Learning outcome of a course			
List of learning outcomes			
Symbol	Description	Relation to a learning outcome	
<i>(the course code)_ (number of the learning outcome and its category K-knowledge, S-skills, C-competence)</i>			
K 1	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.	E.W.7	
S 1	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	E.U.1; E.U.3: E.U.13	
C 1	Ability to recognize and differentiate the typical common cardiovascular diseases in adults. Ability to order the proper diagnostic tests and treatment.	E.U 12; E.U.16	
70. Forms of conducted activities			
<i>Form</i>	<i>Number of hours</i>	<i>Number of groups</i>	<i>Minimal number of students in a group</i>
<i>Seminar</i>	<i>10</i>	<i>8</i>	<i>12</i>
<i>Classes</i>	<i>20</i>	<i>20</i>	<i>5</i>
71. The subjects of activities and curriculum content			
<ol style="list-style-type: none"> 1. Essential hypertension – pathogenesis and epidemiology (K1, S1, C1) 2. Essentials hypertension – clinical aspects (K1, S1, C1) 3. Secondary forms of hypertension (K1, S1, C1) 4. Hypertension – treatment Pulmonary embolism (K1, S1, C1) 5. Deep vein thrombosis (K1, S1, C1) 6. Pericarditis and myocarditis (K1, S1, C1) 7. Infective endocarditis (K1, S1, C1) 8. Mitral and aortic valvular diseases (K1, S1, C1) 			

9. Congenital heart diseases (K1, S1, C1) 10. Stable coronary heart disease (K1, S1, C1) 11. Acute coronary syndromes (K1, S1, C1) 12. Bradyarrhythmias (K1, S1, C1) 13. Tachyarrhythmias (K1, S1, C1) 14. Heart failure and cardiomyopathies (K1, S1, C1)			
72. Methods of verification of curriculum content			
Course learning outcome	Forms of conducted activities	Methods of learning outcome verification	Criterion of credit for a course
K 1	seminars	test	Acceptable acquisition of learning outcomes
K 2	seminars	test	Acceptable acquisition of learning outcomes
S 1	classes	test	Acceptable acquisition of learning outcomes
73. Evaluation criteria			
The form of credit for a course: MSQ (30 questions)			
grade		criteria	
2,0 (unsatisfactory)		0-16	
3,0 (satisfactory)		17-19	
3,5 (better than satisfactory)		20-22	
4,0 (good)		23-25	
4,5 (better than good)		26-28	
5,0 (very good)		29-30	
74. Literature/Textbooks			
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)			
75. ECTS calculation			
<i>Form of activity</i>	<i>Number of hours</i>	<i>ECTS points</i>	
Contact hours with an academic teacher:			

Classes	20	1,0
Seminar	10	0,2
<i>Student individual workload (exemplary work form):</i>		
Preparation workload to seminar	5	0,2
Preparation workload to conducting activities	10	0,2
Preparation workload to credits	5	0,2
Classes	20	0,2
In total	70	2,0
76. Additional information		



RHEUMATOLOGY

77. Imprint

Faculty name:	Medical
Education program (<i>field of study, level and educational profile, form of studies, e.g., Public Health, 1st level studies, practical profile, full time</i>):	Medical, practical profile, full time
Academic year:	2019/2020
Module/subject name:	Rheumatology
Subject code (<i>from the Pensum system</i>):	45801
Educational units:	Rheumatology and Internal Clinic of Central Clinical Hospital MSWiA, Warsaw, 137 Wołoska Street
Head of the unit/s:	Prof. Małgorzata Wisłowska M.D. Ph.D.
Study year (<i>the year during which the respective subject is taught</i>):	IV -4, pr 6-1
Study semester (<i>the semester during which the respective subject is taught</i>):	12
Module/subject type (<i>basic, corresponding to the field of study, optional</i>):	Stationary, corresponding to the field of the study
Teachers (<i>names and surnames and degrees of all academic teachers of respective subjects</i>):	Prof. Małgorzata Wisłowska M.D.Ph.D., Dorota Dereń MD.PhD, Urszula Rud MD, Marta Lipiec MD.
ERASMUS YES/NO (<i>Is the subject available for students under the ERASMUS programme?</i>):	YES
A person responsible for the syllabus (<i>a person to which all comments to the syllabus should be reported</i>)	Prof. Małgorzata Wisłowska M.D. Ph.D.
Number of ECTS credits:	2 (50 h)

78. Educational goals and aims: Ability to recognise of rheumatic diseases

17. Knowledge of the examination of musculoskeletal system
18. Knowledge of syndromes of the main rheumatic diseases

79. Initial requirements

6. Knowledge of the anatomy of locomotor system
2. Knowledge of the basis of immunology

80. Learning outcomes corresponding to the subject

A list of course learning outcomes

Symbol of course learning outcomes	Description of course learning outcomes	The reference to programme learning outcomes (number)
U1	The students must basic knowledge and skills of conducting of interview and physical examination of rheumatology patients.	E.U1
W1	The students must know and understand the etiology of connective tissue diseases, rheumatic fever, juvenile arthritis, lupus erythematosus disseminatus, polymyositis and dermatomyositis, vasculitis.	E.W7 g
U1	Knows how to conduct medical interview with adult patients with rheumatology diseases	E.U1
U3	Conducts full physical examination adult patients with rheumatology diseases.	E.U1
U24	Knows how to interprets laboratory abnormalities and its causes in patients with rheumatology diseases.	E.W38
K1	Student is available to have a contact with adults patients with rheumatic diseases.	EW7g, E.U16
U16	Knows how to interprets imaging techniques in patients with rheumatology diseases.	EW7g

81. Forms of class

Form	Number of hours	Number of groups
Lecture	4	5
Seminar	16	5
Practical classes	10	5

82. Subject topics and educational contents

- L1 Rheumatoid arthritis W1 prof.dr hab n med Małgorzata Wisłowska
- L2 Spondyloarthropathies W1 prof.dr hab n med Małgorzata Wisłowska
- L3 Diffuse connective tissue diseases W1 prof.dr hab n med Małgorzata Wisłowska
- L4 Gout and Osteoarthritis W1 prof.dr hab n med Małgorzata Wisłowska
- S 1. Immunopathogenesis of rheumatic diseases. W1
- 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. Reactive arthritis W1
 S 7. Systemic lupus erythematosus W1
 S 8. Aniyphospholipid syndrome W1
 S 9. Sicca syndrome W1
 S 10. Polymyositis and dermatomyositis W1
 S 11. Scleroderma W1
 S 12. Giant Cell Arteritis W1
 S13. Polymyalgia rheumatica W1
 S 14. Small Vessel vasculitis W1
 S 15. Gout W1
 S 16. Osteoarthritis W1
 C 1. Rheumatoid arthritis U1, U3, U24
 C 2. Ankylosing spondylitis U1, U3, U24
 C 3. Psoriatic arthritis U1, U3, U24
 C 4. Systemic lupus erythematosus U1, U3, U24
 C 5. Aniyphospholipid syndrome U1, U3, U24
 C 6. Sicca syndrome U1, U3, U24
 C 7. Polymyositis and dermatomyositis U1, U3, U24
 C 8. Scleroderma U1, U3, U24
 C 9. Vasculitis U1, U3, U24
 C 10. Gout and hyperuricaemia U1, U3, U24

83. Methods of verification of learning outcomes

Learning outcome corresponding to the subject (symbol)	Forms of classes (symbol)	Methods of verification of a learning outcome	Credit receiving criteria
S1-S23	Seminars	Oral test	
C1-C27	Practical exercises - exarcses	Oral test	

84. Evaluation criteria

Form of receiving credit in a subject:

grade	criteria
2.0 (failed)	<i>Below 60% of required knowledge</i>
3.0 (satisfactory)	<i>61 – 65% of required knowledge</i>
3.5 (rather good)	<i>66 – 70% of required knowledge</i>

4.0 (good)	<i>71 – 80% of required knowledge</i>
4.5 (more than good)	<i>81 – 90% of required knowledge</i>
5.0 (very good)	<i>91 – 100% of required knowledge</i>

85. Literature

Obligatory literature:

Obligatory literature:

2. Harrison's Principles of Internal Medicine, Mc Graw-Hill, 16 th edition
3. Rheumatology for English Division Students Wisłowska M. WUM 2015

Supplementary literature:

3. Firestein GS, Budd RC, Gabriel SE, McInnes IB, O'Dell IR Kelley's textbook of Rheumatology 2012

86. ECTS credits calculation

<i>Form of activity</i>	<i>Number of hours</i>	<i>Number of ECTS credits</i>
Direct hours with an academic teacher:		
Lectures	4	
Seminars	16	0,8
Practical classes	10	0,9
Student's independent work (<i>examples of the form of work</i>):		
Student's preparation for a seminar	10	0,2
Student's preparation for a class	5	0,1
Preparation for obtaining credits		
Other (please specify)		

87. Additional Information

(e.g., information on a scientific association operating within the unit, information on commuting to university, etc.)



Clinical Immunology

88. Imprint

Faculty name:	Faculty of Medicine with the English Division and the Physiotherapy Division
Education program	Medicine, advanced, stationary/extramural, practical, full-time
Academic year:	2019/20
Module/subject name:	Clinical Immunology
Subject code	45808
Educational units:	Department of Clinical Immunology
Head of the unit/s:	Radosław Zagożdżon MD, PhD
Study year	4
Study semester	second
Module/subject type	Basic course
Teachers	<p>Radosław Zagożdżon, MD PhD</p> <p>Prof. Andrzej Górski, MD PhD</p> <p>Beata Kaleta, MPharm PhD</p> <p>Monika Kniotek, MSc PhD</p> <p>Jan Borysowski, MD, PhD</p> <p>Dariusz Sołdacki, MD, PhD</p> <p>Piotr Wierzbicki, MSc</p> <p>Tomasz Pilecki, MD PhD</p> <p>Ryszard Międzybrodzki, MD PhD</p> <p>Michał Ciszek, MD PhD</p> <p>Olga Kozińska-Przybył, MD</p>
ERASMUS YES/NO	Yes

A person responsible for the syllabus	Beata Kaleta	
Number of ECTS credits:	2	
89. Educational goals and aims		
The aim of the Clinical Immunology program is to present aspects of immunological diagnostics, organ transplantation, aftercare for patients with transplanted organs and autoimmune disorders.		
90. Initial requirements		
The knowledge of basic immunology is required.		
91. Learning outcomes corresponding to the subject		
A list of course learning outcomes		
Symbol of course learning outcomes	Description of course learning outcomes	The reference to program learning outcomes (number)
W1, W2, W4-W7, W9	Student has knowledge about role of immune system in autoimmune disorders and transplantation	C.W20 C.W21
W2, W3, W7	Student has knowledge about diagnosing patients with autoimmune disorders and before/after organ transplantation	C.W23 C.W24 G.W10
W8, W10	Student has knowledge of immunosuppressive drugs used in organ transplants	C.W24
U2-U4	Student is able to interpret results of immunological diagnostic tests	C.U8 C.U12
U5, U6	Student is able to diagnose autoimmune disorders	E.U24
U1	Student uses his/her expertise and knowledge in patient care	E.U1
92. Forms of classes		
<i>Form</i>	<i>Number of hours</i>	<i>Number of groups</i>
<i>Lecture</i>	0	
<i>Seminar</i>	10	1
<i>Practical classes</i>	10	20

93. Subject topics and educational contents

W1 - Clinical aspects of immunology – Discussion of role of immune system in pathogenesis and course of selected autoimmune disorders - Prof. Andrzej Górski, MD PhD

W2 - Primary immunodeficiency diseases – Discussion of causes, symptoms, and treatment of PID – Dariusz Sołdacki, MD, PhD

W3 - The role of autoimmunity in the pathogenesis of endocrine system diseases – Discussion of the role of immune system in the pathogenesis and association of endocrine autoimmune disorders - Ryszard Międzybrodzki, MD, PhD

W4 – The possible role of bacteriophages in host defense and disease – Bacteriophages: biology, applications and role in health and disease - Prof. Andrzej Górski, MD PhD

W5 – Immunology of atherosclerosis – Discussion of immunological aspects of atherosclerosis - Jan Borysowski, MD PhD

W6 – Immunology of pregnancy - Discussion of immunological aspects of pregnancy, diagnosis and treatment of recurrent pregnancy loss - Jan Borysowski, MD PhD

W7 – Autoinflammatory diseases – Discussion of causes, symptoms, and treatment of autoinflammatory diseases – Dariusz Sołdacki, MD, PhD

W8 – Posttransplant complications (immunosuppression) – Discussion of possible complications of posttransplant immunosuppression – Tomasz Pilecki, MD, PhD

W9 – Role of vitamin D and vitamin D receptor in autoimmune diseases – Role of vitamin D and its receptor in regulation of immune system and in autoimmune disorders - Beata Kaleta, MPharm PhD

W10 - Cancer as a complication of immunosuppressive therapy – Radosław Zagożdżon, MD PhD

U1 – Clinical aspects of immunosuppressive therapy – Presentation of patients at a transplantology ward - Olga Przybył – Kozińska, MD

U2 – Flow cytometry in clinical immunology – Use of flow cytometry method for evaluation of immune system before and after organ transplantation and in diagnosis of immunodeficiency disorders - Piotr Wierzbicki, MSc

U3 – Proliferation assay and other immunological tests as a measure of immune competence - Use of immunological tests for evaluation of immune system before and after organ transplantation and in diagnosis of immunodeficiency disorders- Monika Kniołek, MSc PhD

U4 – HLA typing in clinical immunology - Use for human leukocyte antigen (HLA) testing to match organ and tissue transplant recipients with compatible donors - Monika Kniołek, MSc PhD

U5 - Posttransplant complications (immunosuppression) - Renal transplant patients: presentation of clinical cases – Tomasz Pilecki, MD, PhD

U6 – Case presentation: asthma, SLE, vasculitis and vasculiolities, rheumatoid disease - Michał Ciszek, MD, PhD

94. Methods of verification of learning outcomes

Learning outcome corresponding to the subject (symbol)	Forms of classes (symbol)	Methods of verification of a learning outcome	Credit receiving criteria
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C.W20-CW.24, G.W10, C.U8, C.U12, E.U1, E.U24	Seminars, classes	MCQ	Minimum 15 points scored in the final test
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95. Evaluation criteria

Form of receiving credit in a subject:

grade	criteria
2.0 (failed)	Below 15 points in the final test (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 in the test

96. Literature

I. Obligatory literature/textbooks:

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

II. Supplementary literature/textbooks:

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.

7. Chapel H., Haeney M., Misbah S.: "Essentials of Clinical Immunology" – 2014 Edition.

97. ECTS credits calculation

<i>Form of activity</i>	<i>Number of hours</i>	<i>Number of ECTS credits</i>
Direct hours with an academic teacher:		
Lectures	0	
Seminars	10	1

Practical classes	10	1
Student's independent work (<i>examples of the form of work</i>):		
Student's preparation for a seminar	0	0
Student's preparation for a class	0	0
Preparation for obtaining credits	0	0
Other	0	0

98. Additional Information

1. Student should be familiar with the Clinical Immunology program (on the notice board in the seminary room and website).
2. Presence on all classes is mandatory. Three unexcused late to a class equal one unexcused absence. Two excused absences must be made up at a time agreed with the person responsible for teaching.



FAMILY MEDICINE with elements of geriatrics

99. Imprint

Faculty name:	English Division
Education program	Faculty of Medicine, 1st level studies
Academic year:	2019/2020
Module/subject name:	Family medicine
Subject code <i>(from the Pensum system)</i> :	45807
Educational units:	Department of Family Medicine, WUM
Head of the unit/s:	Prof. Życińska Katarzyna MD, Ph.D
Study year <i>(the year during which the respective subject is taught)</i> :	4 th in 6 years studies
Study semester <i>(the semester during which the respective subject is taught)</i> :	Summer
Module/subject type <i>(basic, corresponding to the field of study, optional)</i> :	Basic
Teachers <i>(names and surnames and degrees of all academic teachers of respective subjects)</i> :	Barczak Anna MD, PhD Burc Urszula MD Chaberek Katarzyna MD Dilis Paweł MD Długoń Inga MD, PhD Gyrczuk Ewa MD Kalisz Marcin MD Kobryń Eliza MD Kowalik Jolanta MGR Niedzielska Agnieszka MD Pietrzak Bożena MD, PhD Topczewska-Cabane Agnieszka MD, PhD Zielonka Tadeusz, MD, PhD

	Zwolińska Ewa MD, PhD Życińska Katarzyna, Professor, MD, PhD
ERASMUS YES/NO (<i>Is the subject available for students under the ERASMUS programme?</i>):	YES
A person responsible for the syllabus	Topczewska-Cabanek Agnieszka M.D, Ph.D.
Number of ECTS credits:	2
100. Educational goals and aims	
<p>19. During classes at the Outpatient Clinic, students improve their subjective and objective examination (including otoscopic and ophthalmoscopic examinations).</p> <p>20. Students discuss the principles of family doctor's cooperation with a specialist doctor and pre-and post-hospital care.</p>	

101. Initial requirements		
7. Fluent knowledge of subject and physical examination.		
102. Learning outcomes corresponding to the subject		
A list of course learning outcomes		
Symbol of course learning outcomes	Description of course learning outcomes	The reference to programme learning outcomes (number)
W	Knowledge of aetiology, symptoms, diagnosis, treatment, and prophylaxis of chosen most common adults diseases.	E.W3
	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	E.W7
	Knowledge of aetiology, signs, symptoms, diagnosis, treatment of basic geriatric syndromes	E.W9
	Knows and understands the causes, symptoms, diagnosis and treatment of the most common diseases in the family practice.	E.W36
C	Conducts a medical interview with an adult patient.	E.U1
	Conducts a medical interview with a child patient and his family.	E.U2
	Takes full and targeted physical examination of adult patient.	E.U3
	Takes physical examination of child patient.	E.U4

	<p>Performs a differential diagnosis of the most common disease in adults and children.</p> <p>The student plans diagnostic, therapeutic and prophylactic procedures.</p> <p>Qualifies patients for hospital or ambulatory therapy.</p> <p>The student interprets results of laboratory tests and identifies the causes of abnormalities.</p> <p>Qualifies for immunization.</p> <p>Performing basic medical procedures.</p> <p>Plans specialist consultations. Keeps medical records</p>	<p>E.U12</p> <p>E.U16</p> <p>E.U20</p> <p>E.U24</p> <p>E.U27</p> <p>E.U29</p> <p>E.U32</p> <p>E.U38</p>
S	<p>Able to establish and maintain a deep and respectful contact with the patient.</p> <p>Student is guided by the good of the patients, putting them in the foreground.</p> <p>Student respects medical confidentiality and patient's rights</p>	<p>K.S1</p> <p>K.S2</p> <p>K.S3</p>

103. Forms of classes

<i>Form</i>	<i>Number of hours</i>	<i>Number of groups</i>
<i>Lecture</i>		
<i>Seminar</i>	30	4
<i>Practical classes</i>	10	24

104. Subject topics and educational contents

- S1. Health problems of geriatric population – role of general practitioner.
- S2. Early diagnosis and treatment of the disease of women at reproductive age.
- S3. „Difficult patient” at the primary care.
- S4. Infectious disease in children.
- S5. Diagnosis of patients suspected for dementia.
- S6. Chronic domestic treatment and therapy.
- S7. The fever of unknown origin.
- S8. Selected obstetrical problems in GP's everyday practice.
- S9. Pregnant in the family doctor practice.
- S10. Emergencies in the practice of a family doctor
- C1-2. Practical classes in family doctor's clinic – 2 meetings.

105. Methods of verification of learning outcomes

Learning outcome corresponding	Forms of classes (symbol)	Methods of verification of a learning outcome	Credit receiving criteria
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to the subject (symbol)			
E.W3, E.W7, E.W9, W36	S	Active participation in seminars	Presence in all seminars
E.U1-4, U12, E.U16, E.U20, E.U24, E.U27, E.U29, E.U32, E.U38, K.S1- 3.	C	Active participation in family practice	Presence in all classes

106. Evaluation criteria

Form of receiving credit in a subject: credit

107. Literature

Obligatory literature:

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

Supplementary literature:

Magazine Family Medicine & Primary Care Review

108. ECTS credits calculation

<i>Form of activity</i>	<i>Number of hours</i>	<i>Number of ECTS credits</i>
Direct hours with an academic teacher:		
Lectures		
Seminars	30	1,5
Practical classes	10	0,5
Student's independent work (examples of the form of work):		
Student's preparation for a seminar	5	
Student's preparation for a class	3	
Preparation for obtaining credits		
Other (please specify)		

109. Additional Information

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



PEDIATRIC ENDOCRINOLOGY

110. Imprint	
Faculty name:	Faculty of Medicine with the English Division and the Physiotherapy Division
Education program (<i>field of study, level and educational profile, form of studies, e.g., Public Health, 1st level studies, practical profile, full time</i>):	Medicine. Full time. Practical Profile
Academic year:	2019/2020
Module/subject name:	Paediatric Endocrinology
Subject code (<i>from the Pensum system</i>):	45811
Educational units:	Department of Paediatrics and Endocrinology (1WH)
Head of the unit/s:	Associate Professor Beata Pyrzak MD, PhD
Study year (<i>the year during which the respective subject is taught</i>):	4 th
Study semester (<i>the semester during which the respective subject is taught</i>):	7-8 th
Module/subject type (<i>basic, corresponding to the field of study, optional</i>):	Basic
Teachers (<i>names and surnames and degrees of all academic teachers of respective subjects</i>):	Department of Paediatrics and Endocrinology (1WH) Beata Pyrzak MD PhD, Anna Kucharska MD PhD, Joanna Bielecka -Jasiocha MD, Katarzyna Kądziela MD PhD, Małgorzata Rumińska MD, PhD, Ewelina Witkowska Sędek MD, PhD, Maria Krajewska MD, Dominika Labochka MD, Ada Borowiec MD, Michał Erazmus MD, Jędrzej Nowaczyk MD, Monika Mileczarek MD.

ERASMUS YES/NO (<i>Is the subject available for students under the ERASMUS programme?</i>):	Yes
A person responsible for the syllabus (<i>a person to which all comments to the syllabus should be reported</i>)	Anna Kucharska MD, PhD
Number of ECTS credits:	2
111. Educational goals and aims	
<p>The aim of the course is to achieve and preserve knowledge about the principles of the assessment, differential diagnosis and treatment of the diseases within the following areas of paediatrics:</p> <p>Physiology and diseases of thyroid diseases in children.</p> <p>Disorders of adrenal gland in children.</p> <p>Disorders of growth.</p> <p>Disorders of puberty.</p> <p>The clinical course, diagnostics and treatment of diabetes mellitus, the principles of the treatment of diabetic ketoacidosis.</p> <p>Pituitary and hypothalamus diseases in children.</p> <p>Congenital endocrine diseases.</p> <p>Disorders of sex development.</p>	

112. Initial requirements

8. *Basic knowledge of physiological physical and sexual development in children*
9. *Physical examination of the patient in developmental age*

113. Learning outcomes corresponding to the subject**A list of course learning outcomes**

Symbol of course learning outcomes	Description of course learning outcomes	The reference to programme learning outcomes (number)
S1	<i>Thyroid diseases in children</i>	E. W1, E.W3
S2	<i>Delayed puberty</i>	E. W1, E.W3
S3	<i>Precocious puberty</i>	E. W1, E.W3
S4	<i>Hypothalamo- pituitary axis disorders</i>	E. W1, E.W3
S5	Diabetes mellitus	E. W1, E.W3
S6	Diabetic ketoacidosis	E. W1, E.W3
S7	Short stature	E. W1, E.W3
S8	Congenital adrenal hyperplasia	E. W1, E.W3
S9	Abnormal external genitalia in newborn	E. W1, E.W3
S10	Hypercortisolemia in children	E. W1, E.W3

114. Forms of classes

<i>Form</i>	<i>Number of hours</i>	<i>Number of groups</i>
<i>Lecture</i>	-	-
<i>Seminar</i>	10	4
<i>Practical classes</i>	15	16-20

115. Subject topics and educational contents

- S1-Seminar 1- Topic *Thyroid diseases in children*- **E. W1, E.W3**, Teacher- *dr hab. Anna Kucharska*
- S2-Seminar 2- Topic *Delayed puberty* **E. W1, E.W3**, Teacher- *dr hab. Anna Kucharska*
- S3-Seminar 3- Topic *Precocious puberty* **E. W1, E.W3**, Teacher- *dr hab. Anna Kucharska*
- S4-Seminar 4 Topic *Hypothalamo- pituitary axis disorders* **E. W1, E.W3**, Teacher- *dr hab. Beata Pyrzak*
- S5-Seminar 5- Topic *Diabetes mellitus* Teacher- *dr hab. Beata Pyrzak*
- S6-Seminar 6- Topic *Diabetic ketoacidosis* Teacher- *dr hab. Beata Pyrzak*
- S7-Seminar 7- Topic *Short stature* Teacher- *dr hab. Beata Pyrzak*

S8-Seminar 8- Topic Congenital adrenal hyperplasia **E. W1, E.W3**, Teacher- dr hab. Anna Kucharska
 S9-Seminar 9- Topic Abnormal external genitalia in newborn **E. W1, E.W3**, Teacher- dr hab. Anna Kucharska
 S10-Seminar 10- Topic Hypercortisolemia in children Teacher- dr hab. Beata Pyrzak
 C1-Practical Class 1- Topic Padiatric endocrinology Educational contents - Symbol of course learning outcome/s E.W1, E.W3, E.W6, E.W7, E.U2, E.U4, E.U6-14, E.U16,17, E.U38.

116. Methods of verification of learning outcomes

Learning outcome corresponding to the subject (symbol)	Forms of classes (symbol)	Methods of verification of a learning outcome	Credit receiving criteria
E.W1, E.W3	seminars	<i>Written test (colloquium)</i>	60% of correct answers
<i>E.W1, E.W3, E.W6, E.W7, E.U2, E.U4, E.U6-14, E.U16,17, E.U38.</i>	Practical classes	Evaluation by teacher	Active participation in classes

117. Evaluation criteria

Form of receiving credit in a subject:

grade	criteria
2.0 (failed)	<i>Lower than 60% correct answers in written test</i>
3.0 (satisfactory)	
3.5 (rather good)	
4.0 (good)	
4.5 (more than good)	
5.0 (very good)	

118. Literature

Obligatory literature:

- Nelson Textbook of Pediatrics. Kliegman RM, Stanton BMD, Elsevier Saunders 19th edition.*

Supplementary literature:

- Greenspan's Basic and Clinical Endocrinology., By Gardner , LANGE 9th ed - 2015, 10th ed. -2018

119. ECTS credits calculation

<i>Form of activity</i>	<i>Number of hours</i>	<i>Number of ECTS credits</i>
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Direct hours with an academic teacher:		
Lectures	-	-
Seminars	10	0,8
Practical classes	15	1,2
Student's independent work (<i>examples of the form of work</i>):		
Student's preparation for a seminar	10	
Student's preparation for a class	15	
Preparation for obtaining credits	10	
Other (please specify)	-	
120. Additional Information		
<p><i>(e.g., information on a scientific association operating within the unit, information on commuting to university, etc.) Student can have only one absence in the course of the exercises.</i></p> <p><i>Each absence should be compensated by individual task for the student- seminar- by preparation of two test questions of the seminar topic and the absence in practical classes by case presentation.</i></p>		



PEDIARIC GASTROENTEROLOGY

121. Imprint	
Faculty name:	Pediatric gastroenterology
Education program (<i>field of study, level and educational profile, form of studies, e.g., Public Health, 1st level studies, practical profile, full time</i>):	Pediatric gastroenterology, 4 th year of study: practical profile, full time
Academic year:	2019/2020
Module/subject name:	PEDIATRICS- Pediatric Gastroenterology
Subject code (<i>from the Pensum system</i>):	
Educational units:	Department of Pediatric Gastroenterology and Nutrition, Medical University of Warsaw
Head of the unit/s:	Prof. Piotr Albrecht, MD, PhD
Study year (<i>the year during which the respective subject is taught</i>):	Second Faculty of Medicine, 4 year
Study semester (<i>the semester during which the respective subject is taught</i>):	Pediatric gastroenterology
Module/subject type (<i>basic, corresponding to the field of study, optional</i>):	4 th year of study/summer semester
Teachers (<i>names and surnames and degrees of all academic teachers of respective subjects</i>):	Aleksandra Banaszekiewicz MD, PhD Katarzyna Karolewska-Bochenek, MD, PhD Anna Liber ,MD, PhD Marcin Dziekiewicz, MD, PhD Marcin Banasiuk, MD, PhD Łukasz Dembiński, MD Michał Wronowski, MD
ERASMUS YES/NO (<i>Is the subject available for students under the ERASMUS programme?</i>):	Yes

A person responsible for the syllabus (<i>a person to which all comments to the syllabus should be reported</i>)	Katarzyna Karolewska – Bochenek MD, PhD kasiabochenek2@gmail.com tel. 223179652
Number of ECTS credits:	4
122. Educational goals and aims	
<p>21. Teaching of pediatric gastroenterology patient's examination, differential diagnosis of gastrointestinal diseases, interpretation of results of tests and treatment</p> <p>22. Teaching of pediatrics patient's examination, differential diagnosis of gastrointestinal diseases, interpretation of results of tests and treatment</p>	

123. Initial requirements

10. Knowledge and abilities of pediatrics in previous years of study

11.

124. Learning outcomes corresponding to the subject**A list of course learning outcomes**

Symbol of course learning outcomes	Description of course learning outcomes	The reference to programme learning outcomes (number)
<i>(the course code)_ (number of the learning outcome and its category K-knowledge, S-skills, C-competence)</i>		
K1	Knowledge of environmental and epidemiological circumstances of the most often seen diseases within the following areas of pediatrics: Gastroenterology	E.W.1
K2	Basic knowledge of pediatric gastroenterology: development, structure and function of gastrointestinal tract (GI); Abdominal pain, structural abnormalities of GI tract; inflammatory bowel disease, celiac disease, esophageal diseases, acute and chronic pancreatitis, liver disease, failure to thrive, functional disorders of GI tract	E.W.3, E.W.4
K3	Knowledge of basic procedures in emergency states within following areas of Pediatric Gastroenterology	E.W.6
S1	Ability to make a diagnosis based on child's medical history, findings in physical examination along with additional tests and images	E.U.2, E.U.4, E.U.6, E.U.7, E.U.9, E.U.10, E.U.24,
S2	Ability to differentiate abnormal findings in anamnesis and physical examination within following areas of Pediatric Gastroenterology	E.U.12
S3	Ability to plan diagnostic pathway and therapeutic and prophylactic procedures in diseases within following areas of Pediatric Gastroenterology	E.U.12
S4	Ability to qualification to in-patient treatment in pediatrics.	E.U.20, E.U.27
S5	Ability to laboratory tests interpretation	E.U.24

S6	Ability to patient's refer to proper consultation	E.U.12, E.U.20, E.U.24
125. Forms of classes		
<i>Form</i>	<i>Number of hours</i>	<i>Number of groups</i>
<i>Lecture</i>	5	1
<i>Seminar</i>	10	4
<i>Practical classes</i>	15	20
126. Subject topics and educational contents		
<p>Lectures:</p> <p>L 1. Esophageal disorders L 2. Protracted diarrhoea L 3. Liver disease</p> <p>Seminars:</p> <p>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. Infammatory bowel disease S9. Acute pancreatitis S10. Chronic pancreatitis</p> <p>Practical classes:</p> <ol style="list-style-type: none"> 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 		
127. Methods of verification of learning outcomes		

Learning outcome corresponding to the subject (symbol)	Forms of classes (symbol)	Methods of verification of a learning outcome	Credit receiving criteria
K1 – K6	Lectures, seminars	Test colloquium	At least satisfactory acquisition of outcomes corresponding to the subject
S1-S6	Bedside classes	Activity in bedside classes	At least satisfactory acquisition of abilities in bedside classes according to the direct teacher's assessment

128. Evaluation criteria

Form of receiving credit in a subject:

grade	criteria
2.0 (failed)	Not sufficient knowledge, abilities and competence
3.0 (satisfactory)	Satisfactory knowledge, abilities and competence
3.5 (rather good)	Rather good knowledge, abilities and competence
4.0 (good)	Good knowledge, abilities and competence
4.5 (more than good)	More than good knowledge, abilities and competence
5.0 (very good)	Very good knowledge, abilities and competence

129. Literature

Obligatory literature:

Nelson Textbook of Pediatrics, WB Saunders Co, Philadelphia 2011

5. Illustrated textbook of Pediatrics, Fourth Edition , 2012 Tom Lissauer, Graham Clayden ...

Supplementary literature:

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

130. ECTS credits calculation

<i>Form of activity</i>	<i>Number of hours</i>	<i>Number of ECTS credits</i>
Direct hours with an academic teacher:		
Lectures	5	0.2
Seminars	10	0.4

Practical classes	15	0.6
Student's independent work (<i>examples of the form of work</i>):		
Student's preparation for a seminar	8	0.2
Student's preparation for a class	8	0.2
Preparation for obtaining credits	12	0.4
Other (please specify)	-	
131. Additional Information		
<i>(e.g., information on a scientific association operating within the unit, information on commuting to university, etc.)</i>		
<ol style="list-style-type: none"> 1. Classes start at 8:00 a.m. till 12:30 p.m. 2. Medical white coat and footwear change is required during bedside classes 		



Pediatric Pulmonology and Allergology

132. Imprint

Faculty name:	English Division
Education program (<i>field of study, level and educational profile, form of studies, e.g., Public Health, 1st level studies, practical profile, full time</i>):	Full time, obligatory
Academic year:	2019/2020
Module/subject name:	Pediatric Pulmonology and Allergology
Subject code (<i>from the Pensum system</i>):	e4_ed_s0
Educational units:	Department of Pediatric Pulmonology and Allergy, WUM
Head of the unit/s:	Marek Kulus, M.D., PhD., Professor
Study year (<i>the year during which the respective subject is taught</i>):	4 th
Study semester (<i>the semester during which the respective subject is taught</i>):	Winter/Summer
Module/subject type (<i>basic, corresponding to the field of study, optional</i>):	Basic course
Teachers (<i>names and surnames and degrees of all academic teachers of respective subjects</i>):	<p>Marek Kulus M.D, PhD, Professor</p> <p>Katarzyna Krenke M.D, PhD, Associate Professor</p> <p>Joanna Peradzyńska M.D, PhD, Associate Professor</p> <p>Wojciech Feleszko M.D, PhD, Associate Professor</p> <p>Joanna Lange M.D, PhD</p> <p>Witold Bartosiewicz M.D, PhD</p> <p>Stanisław Bogusławski M.D</p> <p>Magdalena Chojnowska M.D</p> <p>Anna Komorowska-Piotrowska M.D</p> <p>Grażyna Kraj, M.D</p>

	<p>Katarzyna Kunkiel M.D</p> <p>Klementyna Łyżwa M.D</p> <p>Honorata Marczak M.D</p> <p>Aleksandra Ratajczak M.D</p> <p>Agnieszka Strzelak M.D</p> <p>Marcin Sanocki M.D</p> <p>Aleksandra Zomerfeld M.D</p>
ERASMUS YES/NO (<i>Is the subject available for students under the ERASMUS programme?</i>):	YES
A person responsible for the syllabus (<i>a person to which all comments to the syllabus should be reported</i>)	<p>Anna Komorowska-Piotrowska M.D</p> <p>Anna.komorowska-piotrowska@wum.edu.pl</p>
Number of ECTS credits:	2
133. Educational goals and aims	
<p>23. <i>Knowledge of basic clinical topics in the field of pediatric pulmonology and allergology.</i></p> <p>24. <i>Practical performance of skin prick test.</i></p> <p>25. <i>Practical performance of spirometry.</i></p> <p>26. <i>Practical ability to prepare an inhalation with a nebulizer.</i></p> <p>27. <i>Practical ability to demonstrate types and techniques of inhalation from different inhalation drug delivery devices.</i></p> <p>28. <i>Diagnosis and treatment of respiratory infections in children including pneumonia, bronchiolitis, bronchitis, laryngitis, tuberculosis.</i></p> <p>29. <i>Diagnosis and treatment of anaphylaxis, food allergy, allergic rhinitis, atopic dermatitis.</i></p> <p>30. <i>Chest x-ray evaluation in respiratory infections in children.</i></p> <p>31. <i>Asthma exacerbation diagnosis and treatment.</i></p> <p>32. <i>Assessment of asthma control.</i></p> <p>33. <i>Acute cough- medical assessment.</i></p> <p>34. <i>Chronic cough- medical assessment.</i></p> <p>35. <i>Diagnosis and management of cystic fibrosis, primary ciliary dyskinesia, rare diseases in pulmonology.</i></p>	

134. Initial requirements

Taking history and physical examination of an adolescent, child, infant and neonate.

135. Learning outcomes corresponding to the subject**A list of course learning outcomes**

Symbol of course learning outcomes (A – abilities, K – knowledge)	Description of course learning outcomes	The reference to programme learning outcomes (number)
A1	<i>Indications, contraindications, patient preparation to skin prick tests performance. Interpretation of the results of skin prick test</i>	E.U16, EU30g,h
A2	<i>Indications, contraindications, patient preparation to spirometry. Interpretation of the results of spirometry. Bronchial challenge tests- indications and evaluation. Bodyplethysmography- indications and evaluation</i>	E.U29c
A3	<i>Aerosolotherapy. Types of inhalers.</i>	E.U16, E.U29c
A4/K1	Food allergy, atopic dermatitis, acute urticaria. Drug allergy. Allergic rhinitis	E. W1, E.W3c,E.W35, E.W38
A5/K2	Diagnosis and treatment of rhinorrhea, sinusitis, otitis media, bronchitis, bronchiolitis, pneumonia, tuberculosis, cystic fibrosis, primary ciliary dyskinesia.	E.U2, E.U4, E.U12, E.U14, E.U16, E.U24, E.W1, E.W3c, E.W32, E.W37, E.W38
A6/K3	Risk factors for anaphylaxis. Symptoms of anaphylaxis. Treatment of an anaphylactic reactions. Cofactors of anaphylaxis. Anaphylaxis emergency action plan. Emergencies in pulmonology.	E.U12, E.U14, E. W1, E.W6
A7/K4	Chest x-ray evaluation- pneumonia, pleural effusion, pneumothorax, abscess, atelectasis	E.U29, E.W3c, E.W32
A8/K5	Assessment of asthma exacerbation symptoms. Asthma Control Test. Asthma Control Questionnaire. Peak flow meter. Medications used during exacerbation of symptoms Indications for hospitalization.	E.U2, E.U4, E.U7, E.U12, E.U14, E.U16, E.U24, E.U29a,b,c, E.W1, E.W3c, E.W6, E.W39, E.U29c
A9/K6	Definition of acute and chronic cough. Etiology of chronic cough. Red flag signs. Diagnostic procedures in chronic cough.	E.U12, E.U16, E.W1, E.W32

136. Forms of classes

<i>Form</i>	<i>Number of hours</i>	<i>Number of groups</i>
<i>Lecture</i>	0	0
<i>Seminar</i>	10	1
<i>Practical classes</i>	15	5-6

137. Subject topics and educational contents

SEMINARS

S1- Asthma. Allergic rhinitis (E.W1, E.W3c, E.W6, E.W39, E.U29c)

S2- Pneumonia (E.W1, E.W3c, E.W32, E.W37, E.W38)

S3- Tuberculosis (E.W1, E.W3c, E.W32, E.W37, E.W38)

S4- Cystic fibrosis. Primary ciliary dyskinesia. (E.W1, E.W35, E.W38)

S5-Rare diseases in pulmonology. (E.W1, E.W32, E.W35, E.W38)

S6-Food allergy. Atopic dermatitis. Acute urticaria. (E.W1, E.W3c, E.W35, E.W38)

S7-Infections of the respiratory tract. Bronchitis. Bronchiolitis. (E.W3c, E.W6, E.W32, E.W39)

S8-Anaphylaxis. (E.W1, E.W6, E.W35, E.W39)

S9-Symptomatology in respiratory diseases. (E.W3c, E.W32)

S10-Emergencies in respiratory medicine. (E.W1, E.W3c, E.W6, E.W38, E.W39)

BED SIDE CALSSESS

Training of practical issues connected with taking history, signs and symptoms assessment as well as diagnosis in pediatric pulmonology and allergology (E.U2., E.U4., E.U7., E.U12., E.U14., E.U16., E.U24., E.U29.a,b,c. E.U30.g,h)

138. Methods of verification of learning outcomes

Learning outcome corresponding to the subject (symbol)	Forms of classes (symbol)	Methods of verification of a learning outcome	Credit receiving criteria
A1-9, K1-6	Seminars, demonstrations of patients, unassisted and assisted physical examination of patients.	Active participation in seminars, bedside classes Colloquium (4 th year) Exam in paediatrics (6 th year)	At least satisfactory acquisition of abilities in bedside classes according to the direct teacher's assessment and a minimum of 61% of correct answers

Evaluation criteria :

4th – presence on 80% of seminars and bedside classes and colloquium. The students failing colloquium can write it for the second time. In case of second failure oral retake takes place. If the oral retake fails – the course is failed and has to be repeated. There is no possibility to improve grades for Erasmus students by oral retakes.

139.

Form of receiving credit in a subject:

grade	criteria
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%

140. Literature

Obligatory literature:

Current Diagnosis and Treatment Pediatrics 23rd edition

Illustrated Textbook of Paediatrics 4th edition

Nelson Textbook of Pediatrics 20th edition

Supplementary literature:

1. GINA 2017 (www. Ginasthma.org)
2. "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"
3. 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)

141. ECTS credits calculation

<i>Form of activity</i>	<i>Number of hours</i>	<i>Number of ECTS credits</i>
Direct hours with an academic teacher:		
Lectures	0	
Seminars	10	
Practical classes	15	
Student's independent work (<i>examples of the form of work</i>):		
Student's preparation for a seminar	10	
Student's preparation for a class	10	

Preparation for obtaining credits	10	
Other (please specify)		
142. Additional Information		
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		



PSYCHIATRY

143. Imprint

Faculty name:	Psychiatriy
Education program (<i>field of study, level and educational profile, form of studies, e.g., Public Health, 1st level studies, practical profile, full time</i>):	medicine, full-time, compulsory
Academic year:	2019/2020
Module/subject name:	Psychiatriy
Subject code (<i>from the Pensum system</i>):	
Educational units:	<p>II Klinika Psychiatryczna / II Department of Psychiatry ul. Kondratowicza 8, 03-242 Warszawa</p> <p>Mazowiecki Szpital Wojewódzki <i>Drewnica</i> / ul. Karola Rychlińskiego 1, 05-091 Ząbki</p> <p>Time: 9.00 – 14.00 (6 hours)</p> <p>The first day starts in seminar room in at Kondratowicza 8, building "G"</p>
Head of the unit/s:	Prof. dr hab. med. Andrzej Kokoszka
Study year (<i>the year during which the respective subject is taught</i>):	IV
Study semester (<i>the semester during which the respective subject is taught</i>):	I - II
Module/subject type (<i>basic, corresponding to the field of study, optional</i>):	
Teachers (<i>names and surnames and degrees of all academic teachers of respective subjects</i>):	<p>Prof. dr hab. med. Andrzej Kokoszka</p> <p>Lek. med. Dorota Berndt</p> <p>Lek. Cyryl Kurpiel</p> <p>Lek. Przemysław Łukasiewicz</p> <p>Lek. Agata Matuszewska</p>

	Mgr Marzena Mendyk Lek. med. Joanna Mikulska Mgr Joanna Mięka Mgr Edyta Prochner	
ERASMUS YES/NO (<i>Is the subject available for students under the ERASMUS programme?</i>):	YES	
A person responsible for the syllabus (<i>a person to which all comments to the syllabus should be reported</i>)	Prof. dr. hab. med. Andrzej Kokoszka	
Number of ECTS credits:	3	
144. Educational goals and aims		
To acquire general psychiatric knowledge about <ol style="list-style-type: none"> 1. History of psychiatry 2. Bio-psycho-social aspects of mental disorders 3. General psychopathology 4. Legal aspects of psychiatry 5. Classifications of mental disorders 6. Diagnostic methods in psychiatry 7. Biological and psychosocial methods of treatment To acquire skills: <ol style="list-style-type: none"> 8. of mental state assessment 9. Emergency and preliminary therapeutic management in mental disorders 		
145. Initial requirements		
146. Learning outcomes corresponding to the subject		
A list of course learning outcomes		
Symbol of course learning outcomes	Description of course learning outcomes	The reference to program learning outcomes (number)
W1	knows the environmental and epidemiological determinants of the most common mental illnesses	E.W1.
W2	knows and understands the basic principles of pharmacotherapy in the elderly	E.W10.
W3	knows and understands the risks associated with hospitalization of the elderly	E.W11.

W4	knows and understands the basic principles of organizing elderly care as well as the burdens of being a caregiver for an elderly person	E.W12.
W5	knows the basic concepts in the pathogenesis of mental disorders	E.W15.
W6	knows the general psychiatric symptomatology and the principles of classifying mental disorders according to the main classification systems	E.W16.
W7	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.W17.
W8	knows the principles of diagnosis of and procedure for dealing with psychiatric emergencies	E.W18.
W9	knows the characteristics of mental disorders and of treating these disorders in old age	E.W19.
W10	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.W20.
W11	has knowledge of human sexuality and of the basic disorders associated with it	E.W21.
W12	is familiar with provisions relating to mental health care; with particular emphasis on the rules of admission to psychiatric hospitals	E.W22.
W13	knows the basic methods of psychological diagnosis made in a psychiatric ward and in an outpatient mental health clinic	
U1	carries out a psychiatric examination	E.U5.
U2	performs a differential diagnosis of the most common mental illnesses in adults	E.U12.
U3	assesses and describes the patient's somatic and psychological state	E.U13.
U4	recognizes conditions that pose a direct threat to life in the course of mental disorders	E.U14.
U5	recognizes states under the influence of alcohol, drugs and other stimulants	E.U15.

U6	plans diagnostic, therapeutic and preventive procedures regarding mental disorders	E.U16.
U7	analyzes the possible adverse effects of particular drugs and the interactions between them	E.U17.
U8	proposes that existing therapeutic guidelines and other treatment methods be individualized if standard therapy is ineffective or contraindicated	E.U18.
U9	recognizes the signs of drug dependency and proposes treatment	E.U19.
U10	decides that a given patient is eligible for home or hospital treatment	E.U20.
U11	proposes a rehabilitation program for the most common diseases	E.U23.
U12	interprets the results of laboratory tests and identifies the causes of deviations	E.U24.
U13	plans specialist consultations	E.U32.

147. Forms of classes

<i>Form</i>	<i>Number of hours</i>	<i>Number of groups</i>
<i>Lecture</i>	-	-
<i>Seminar</i>	30	4
<i>Practical classes</i>	30	20

148. Subject topics and educational contents

Seminar

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

Symbol of education effect: W1, W5, W6, W7,

Seminar 2 (3 hours)

Personality Disorders

Symbol of education effect: W7, W9

Seminar 3 (3 hours)

Schizophrenia- Etiology, diagnosis, classification and treatment

Symbol of education effect:W7

Seminar 4 (3 hours)

Psychotherapy - the main approaches to psychotherapy. Theoretical foundations and effectiveness

Symbol of education effect: W9

Seminar 5 (3 hours)

Organic symptoms,

Psychogeriatrics

Symbol of education effect: W2, W3, W4, W10, W11

Seminar 6 (3 hours)

Psychopharmacology and diagnostic methods – the rules medication and the laboratory diagnostic methods

Symbol of education effect: W8,W13

Seminar 7 (3 hours)

Anxiety disorders I, Panic D. Fobias, GAD Etiology, diagnosis, classification and treatment

Symbol of education effect: W7,W9

Seminar 8 (3 hours)

Depression & Mania Etiology, diagnosis, classification and treatment

Symbol of education effect:

W7, W9

Seminar 9 (3 hours)

Anxiety disorders II PTSD, OCD, Etiology, diagnosis, classification and treatment

Symbol of education effect: W7,W9

Seminar 10 (3 hours)

Ethical issues – ethical rules of psychiatry

Psychodiabetology – liaison psychiatry, psychiatric problems in the course medical condition

Symbol of education effect: W12

Classes

Classes 1 (3 hours)

Psych. examination and general psychopathology – clinical assessment of mental state

Symbol of education effect: U1, U2, U4

Classes 2 (3 hours)

Personality Disorders

Symbol of education effect: U1-13

Classes 3 (3 hours)

Schizophrenia – management with patient

Symbol of education effect: U1-13

Classes 4 (3 hours)

Psychotherapy – demonstration and discussion of psychotherapeutic methods

Symbol of education effect: U6,U8

Classes 5 (3 hours)

Organic symptoms– management with patient

Geriatric psychiatry– management with patient

Symbol of education effect: U1-13

Classes 6 (3 hours)

Psychopharmacology– management with patient

Symbol of education effect: U6,U7, U8

Classes 7 (3 hours)

Anxiety disorders I, Panic D. Fobias, GAD– management with patient

Symbol of education effect: U1-13

Classes 8 (3 hours)

Depression & Mania

Symbol of education effect: U1-13

Classes 9 (3 hours)

Anxiety disorders II PTSD, OCD, – management with patient

Symbol of education effect: U1-13

Classes 10 (3 hours)

Ethical issues – discussion of ethical dilemma examples

Psychodiabetology – workshop on management with patients with dysfunctional coping style.

Symbol of education effect: U12

149. Methods of verification of learning outcomes

Learning outcome corresponding to the subject (symbol)	Forms of classes (symbol)	Methods of verification of a learning outcome	Credit receiving criteria
W1- W13	seminars	<i>Colloquium – test on the last day of course</i>	At least 60% of correct answers on test
U1 – U13	classes	Written description of mental states of two patients with different disorders	Accepted by the assistant

150. Evaluation criteria

Form of receiving credit in a subject:

1 . test and 2 written descriptions of mental state

grade	criteria
2.0 (failed)	Less than 60%
3.0 (satisfactory)	

3.5 (rather good)		
4.0 (good)		
4.5 (more than good)		
5.0 (very good)		
151. Literature		
<p>Obligatory literature:</p> <ol style="list-style-type: none"> Sadock B.J., Sadock V.A. Ruitz P. Kaplan and Sadock's Synopsis of Psychiatry: Behavioral Sciences/Clinical Psychiatry. Wolters Kluwer, 2014 <p>Supplementary literature:</p> <ol style="list-style-type: none"> Cowen P., Harrison P., Burns T., Shorter Oxford Textbook of Psychiatry. Sixth Edition, 2012 Meyer, R. G., Chapman, L. K., and Weaver, C. M. Case Studies in Abnormal Behavior. 9th ed. 2012 		
152. ECTS credits calculation		
<i>Form of activity</i>	<i>Number of hours</i>	<i>Number of ECTS credits</i>
Direct hours with an academic teacher:		
Lectures	-	-
Seminars	30	1
Practical classes	30	1
Student's independent work (<i>examples of the form of work</i>):		
Student's preparation for a seminar	12	0,4
Student's preparation for a class	12	0,4
Preparation for obtaining credits	6	0,2
Other (please specify)	90	3
153. Additional Information		
<p><i>The first seminar takes place in lecture hall in Brodnowski Hospital, ul. Kondratowicza 8, pawilon "G".</i></p> <p><i>The detailed program of seminars and classes will be presented a during the first seminar</i></p>		

154. Imprint	
Faculty name:	Psychiatriy
Education program (<i>field of study, level and educational profile, form of studies, e.g., Public Health, 1st level studies, practical profile, full time</i>):	medicine, full-time, compulsory
Academic year:	2019/2020
Module/subject name:	Psychiatriy
Subject code (<i>from the Pensum system</i>):	
Educational units:	<p>II Klinika Psychiatryczna / II Department of Psychiatry ul. Kondratowicza 8, 03-242 Warszawa</p> <p>Mazowiecki Szpital Wojewódzki <i>Drewnica</i> / ul. Karola Rychlińskiego 1, 05-091 Ząbki</p> <p>Time: 9.00 – 14.00 (6 hours)</p> <p>The first day starts in seminar room in at Kondratowicza 8, building "G"</p>
Head of the unit/s:	Prof. dr hab. med. Andrzej Kokoszka
Study year (<i>the year during which the respective subject is taught</i>):	IV
Study semester (<i>the semester during which the respective subject is taught</i>):	I - II
Module/subject type (<i>basic, corresponding to the field of study, optional</i>):	
Teachers (<i>names and surnames and degrees of all academic teachers of respective subjects</i>):	<p>Prof. dr hab. med. Andrzej Kokoszka</p> <p>Lek. med. Dorota Berndt</p> <p>Lek. Cypri Kurpiel</p> <p>Lek. Przemysław Łukasiewicz</p> <p>Lek. Agata Matuszewska</p> <p>Mgr Marzena Mendyk</p> <p>Lek. med. Joanna Mikulska</p>

	Mgr Joanna Mikuła Mgr Edyta Prochner	
ERASMUS YES/NO (<i>Is the subject available for students under the ERASMUS programme?</i>):	YES	
A person responsible for the syllabus (<i>a person to which all comments to the syllabus should be reported</i>)	Prof. dr. hab. med. Andrzej Kokoszka	
Number of ECTS credits:	3	
155. Educational goals and aims		
<p>To acquire general psychiatric knowledge about</p> <ol style="list-style-type: none"> 1. History of psychiatry 2. Bio-psycho-social aspects of mental disorders 3. General psychopathology 4. Legal aspects of psychiatry 5. Classifications of mental disorders 6. Diagnostic methods in psychiatry 7. Biological and psychosocial methods of treatment <p>To acquire skills:</p> <ol style="list-style-type: none"> 8. of mental state assessment 9. Emergency and preliminary therapeutic management in mental disorders 		
156. Initial requirements		
157. Learning outcomes corresponding to the subject		
A list of course learning outcomes		
Symbol of course learning outcomes	Description of course learning outcomes	The reference to program learning outcomes (number)
W1	knows the environmental and epidemiological determinants of the most common mental illnesses	E.W1.
W2	knows and understands the basic principles of pharmacotherapy in the elderly	E.W10.
W3	knows and understands the risks associated with hospitalization of the elderly	E.W11.
W4	knows and understands the basic principles of organizing elderly care as well as the burdens of being a caregiver for an elderly person	E.W12.

W5	knows the basic concepts in the pathogenesis of mental disorders	E.W15.
W6	knows the general psychiatric symptomatology and the principles of classifying mental disorders according to the main classification systems	E.W16.
W7	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.W17.
W8	knows the principles of diagnosis of and procedure for dealing with psychiatric emergencies	E.W18.
W9	knows the characteristics of mental disorders and of treating these disorders in old age	E.W19.
W10	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.W20.
W11	has knowledge of human sexuality and of the basic disorders associated with it	E.W21.
W12	is familiar with provisions relating to mental health care; with particular emphasis on the rules of admission to psychiatric hospitals	E.W22.
W13	knows the basic methods of psychological diagnosis made in a psychiatric ward and in an outpatient mental health clinic	
U1	carries out a psychiatric examination	E.U5.
U2	performs a differential diagnosis of the most common mental illnesses in adults	E.U12.
U3	assesses and describes the patient's somatic and psychological state	E.U13.
U4	recognizes conditions that pose a direct threat to life in the course of mental disorders	E.U14.
U5	recognizes states under the influence of alcohol, drugs and other stimulants	E.U15.
U6	plans diagnostic, therapeutic and preventive procedures regarding mental disorders	E.U16.

U7	analyzes the possible adverse effects of particular drugs and the interactions between them	E.U17.
U8	proposes that existing therapeutic guidelines and other treatment methods be individualized if standard therapy is ineffective or contraindicated	E.U18.
U9	recognizes the signs of drug dependency and proposes treatment	E.U19.
U10	decides that a given patient is eligible for home or hospital treatment	E.U20.
U11	proposes a rehabilitation program for the most common diseases	E.U23.
U12	interprets the results of laboratory tests and identifies the causes of deviations	E.U24.
U13	plans specialist consultations	E.U32.

158. Forms of classes

<i>Form</i>	<i>Number of hours</i>	<i>Number of groups</i>
<i>Lecture</i>	-	-
<i>Seminar</i>	30	4
<i>Practical classes</i>	30	20

159. Subject topics and educational contents

Seminar

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

Symbol of education effect: W1, W5, W6, W7,

Seminar 2 (3 hours)

Personality Disorders

Symbol of education effect: W7, W9

Seminar 3 (3 hours)

Schizophrenia- Etiology, diagnosis, classification and treatment

Symbol of education effect:W7

Seminar 4 (3 hours)

Psychotherapy - the main approaches to psychotherapy. Theoretical foundations and effectiveness

Symbol of education effect: W9

Seminar 5 (3 hours)

Organic symptoms,

Psychogeriatrics

Symbol of education effect: W2, W3, W4, W10, W11

Seminar 6 (3 hours)

Psychopharmacology and diagnostic methods – the rules of medication and the laboratory diagnostic methods

Symbol of education effect: W8,W13

Seminar 7 (3 hours)

Anxiety disorders I, Panic D. Fobias, GAD Etiology, diagnosis, classification and treatment

Symbol of education effect: W7,W9

Seminar 8 (3 hours)

Depression & Mania Etiology, diagnosis, classification and treatment

Symbol of education effect:

W7, W9

Seminar 9 (3 hours)

Anxiety disorders II PTSD, OCD, Etiology, diagnosis, classification and treatment

Symbol of education effect: W7,W9

Seminar 10 (3 hours)

Ethical issues – ethical rules of psychiatry

Psychodiabetology – liaison psychiatry, psychiatric problems in the course medical condition

Symbol of education effect: W12

Classes

Classes 1 (3 hours)

Psych. examination and general psychopathology – clinical assessment of mental state

Symbol of education effect: U1, U2, U4

Classes 2 (3 hours)

Personality Disorders

Symbol of education effect: U1-13

Classes 3 (3 hours)

Schizophrenia – management with patient

Symbol of education effect: U1-13

Classes 4 (3 hours)

Psychotherapy – demonstration and discussion of psychotherapeutic methods

Symbol of education effect: U6,U8

Classes 5 (3 hours)

Organic symptoms– management with patient

Geriatric psychiatry– management with patient

Symbol of education effect: U1-13

Classes 6 (3 hours)

Psychopharmacology– management with patient

Symbol of education effect: U6,U7, U8

Classes 7 (3 hours)

Anxiety disorders I, Panic D. Fobias, GAD– management with patient

Symbol of education effect: U1-13

Classes 8 (3 hours)

Depression & Mania

Symbol of education effect: U1-13

Classes 9 (3 hours)

Anxiety disorders II PTSD, OCD, – management with patient

Symbol of education effect: U1-13

Classes 10 (3 hours)

Ethical issues – discussion of ethical dilemma examples

Psychodiabetology – workshop on management with patients with dysfunctional coping style.

Symbol of education effect: U12

160. Methods of verification of learning outcomes

Learning outcome corresponding to the subject (symbol)	Forms of classes (symbol)	Methods of verification of a learning outcome	Credit receiving criteria
W1- W13	seminars	<i>Colloquium – test on the last day of course</i>	At least 60% of correct answers on test
U1 – U13	classes	Written description of mental states of two patients with different disorders	Accepted by the assistant

161. Evaluation criteria

Form of receiving credit in a subject:

1 . test and 2 written descriptions of mental state

grade	criteria
2.0 (failed)	Less than 60%
3.0 (satisfactory)	

3.5 (rather good)		
4.0 (good)		
4.5 (more than good)		
5.0 (very good)		
162. Literature		
<p>Obligatory literature:</p> <p>2. Sadock B.J., Sadock V.A. Ruitz P. Kaplan and Sadock's Synopsis of Psychiatry: Behavioral Sciences/Clinical Psychiatry. Wolters Kluwer, 2014</p> <p>Supplementary literature:</p> <p>3. Cowen P., Harrison P., Burns T., Shorter Oxford Textbook of Psychiatry. Sixth Edition, 2012 4. Meyer, R. G., Chapman, L. K., and Weaver, C. M. Case Studies in Abnormal Behavior. 9th ed. 2012</p>		
163. ECTS credits calculation		
<i>Form of activity</i>	<i>Number of hours</i>	<i>Number of ECTS credits</i>
Direct hours with an academic teacher:		
Lectures	-	-
Seminars	30	1
Practical classes	30	1
Student's independent work (<i>examples of the form of work</i>):		
Student's preparation for a seminar	12	0,4
Student's preparation for a class	12	0,4
Preparation for obtaining credits	6	0,2
Other (please specify)	90	3
164. Additional Information		
<p><i>The first seminar takes place in lecture hall in Brodnowski Hospital, ul. Kondratowicza 8, pawilon "G".</i></p> <p><i>The detailed program of seminars and classes will be presented a during the first seminar</i></p>		



CHILD PSYCHIATRY

165. Imprint

Faculty name:	Faculty of Medicine, 6-Year English Division
Education program (<i>field of study, level and educational profile, form of studies, e.g., Public Health, 1st level studies, practical profile, full time</i>):	intramular, full-time, clinical – non operational
Academic year:	2019/2020
Module/subject name:	Child Psychiatry
Subject code (<i>from the Pensum system</i>):	45816
Educational units:	Medical University of Warsaw, English Division of the 2 nd Faculty of Medicine Department of Child Psychiatry 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 the unit/s:	Prof. dr hab. n. med. Tomasz Wolańczyk
Study year (<i>the year during which the respective subject is taught</i>):	IV
Study semester (<i>the semester during which the respective subject is taught</i>):	winter semester
Module/subject type (<i>basic, corresponding to the field of study, optional</i>):	basic course
Teachers (<i>names and surnames and degrees of all academic teachers of respective subjects</i>):	Dr n. med. Tomasz Srebnicki Dr hab. n. med. Anita Bryńska Lek. med. Anna Herman Mgr Łukasz Konowalek Mgr Katarzyna Szamburska-Lewandowska
ERASMUS YES/NO (<i>Is the subject available for students under the ERASMUS programme?</i>):	Yes

A person responsible for the syllabus (<i>a person to which all comments to the syllabus should be reported</i>)	Dr hab. n. med. Anita Bryńska
Number of ECTS credits:	
166. Educational goals and aims	
<ol style="list-style-type: none"> 1. To learn about clinical picture, etiology and causes of psychiatric disorders in children and adolescents. 2. To learn to develop and implement treatment plans for children with psychiatric disorders. 3. To learn about organization of psychiatric help in the light of current law regulations 	

167. Initial requirements

Knowledge on basics of psychology, sociology, children education, styles and models of interpersonal and team communication in required for module enrollment.

168. Learning outcomes corresponding to the subject**A list of course learning outcomes**

Symbol of course learning outcomes	Description of course learning outcomes	The reference to programme learning outcomes (number)
E.K.1.	knows environmental and epidemiological conditions of the most common mental disorders in children and adolescents;	E.W 1.
E.K.2.	knows issues: child maltreatment and sexual abuse, behavioral disorders: psychosis, eating disorders, and elimination disorders (enuresis, encopresis) in children;	E.W 4.
E.K.3.	knows the basic concepts of the pathogenesis of mental disorders in children and adolescents;	E.W 15.
E.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.
E.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.
E.K.6.	knows the characteristics of mental disorders and their treatment in children and adolescents;	E.W 19.
E.S.1.	performs psychiatric examination;	E.U 5.
E.S.2.	evaluates and describes the mental state of the patient - a child and a teenager;	E. U 13.
E.S.3.	plans diagnostic and therapeutic procedures and prophylactic in children and adolescents.	E. U 16.

169. Forms of classes

<i>Form</i>	<i>Number of hours</i>	<i>Number of groups</i>
<i>Lecture</i>	0	
<i>Seminar</i>	2	
<i>Practical classes</i>	18	

170. Subject topics and educational contents

Seminar 1. Child and adolescent psychopathology, psychiatric assessment of children and adolescents; E.K.1. - E.K.6.

Practical classes 1: Psychiatric examination of a child and adolescent; E.S.1.-E.S.3.

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.

Practical classes 3: Diagnostic examination and treatment planning in selective mutism, obsessive-compulsive disorder, elimination disorders, tic disorders; E.S.1.-E.S.3.

Practical classes 4: Diagnostic examination and treatment planning in developmental learning disorder, Attention Deficit Hyperactivity Disorder, conduct disorders; E.S.1.-E.S.3.

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.

171. Methods of verification of learning outcomes

Learning outcome corresponding to the subject (symbol)	Forms of classes (symbol)	Methods of verification of a learning outcome	Credit receiving criteria
E.K.1.- E.K.6.	S, PC	active participation and correct execution of tasks	attendance and active participation
E.S.1.- E.S.3.	PC	active participation and correct execution of tasks	attendance and active participation

172. Evaluation criteria

Form of receiving credit in a subject:

grade	criteria
2.0 (failed)	-
3.0 (satisfactory)	-
3.5 (rather good)	-
4.0 (good)	-
4.5 (more than good)	-
5.0 (very good)	-

173. Literature

Obligatory literature:

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 literature:

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

174. ECTS credits calculation

<i>Form of activity</i>	<i>Number of hours</i>	<i>Number of ECTS credits</i>
<i>Direct hours with an academic teacher:</i>		
Lectures	0	
Seminars	2	
Practical classes	18	
<i>Student's independent work</i> (<i>examples of the form of work</i>):		
Student's preparation for a seminar	-	
Student's preparation for a class	-	
Preparation for obtaining credits	-	
Other (please specify)	-	
Total		2
175. Additional Information		
<i>(e.g., information on a scientific association operating within the unit, information on commuting to university, etc.)</i>		



MAXILLOFACIAL SURGERY

176. Imprint

Faculty name:	English Division
Education program (<i>field of study, level and educational profile, form of studies, e.g., Public Health, 1st level studies, practical profile, full time</i>):	English Division, full level studies, practical profile, full time
Academic year:	2019/2020
Module/subject name:	Maxillofacial Surgery
Subject code (<i>from the Pensum system</i>):	45797
Educational units:	Department of Cranio-Maxillofacial Surgery Oral Surgery and Implantology, 02-005 Warsaw, Lindleya 4
Head of the unit/s:	Paweł Zawadzki DDS, PhD
Study year (<i>the year during which the respective subject is taught</i>):	4 th year (VI-years program)
Study semester (<i>the semester during which the respective subject is taught</i>):	7 and 8 st semester
Module/subject type (<i>basic, corresponding to the field of study, optional</i>):	basic
Teachers (<i>names and surnames and degrees of all academic teachers of respective subjects</i>):	Zygmunt Stopa, MD, PhD Przemysław Skubich, DDS Piotr Oczkowski, MD, DDS Piotr Momot, DDS
ERASMUS YES/NO (<i>Is the subject available for students under the ERASMUS programme?</i>):	yes
A person responsible for the syllabus (<i>a person to which all comments to the syllabus should be reported</i>)	Zygmunt Stopa MD, PhD
Number of ECTS credits:	1

177. Educational goals and aims

36. The program of the course offers the basic information of the most frequent problems of Maxillofacial Surgery.
37. Students receive knowledge of basic diagnostic and therapeutic procedures in Maxillofacial Surgery

178. Initial requirements		
12. Knowledge of the anatomy of the head and neck.		
13. Knowledge about physiology and pathophysiology		
179. Learning outcomes corresponding to the subject		
A list of course learning outcomes		
Symbol of course learning outcomes	Description of course learning outcomes	The reference to programme learning outcomes (number)
W1	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	F.W1.
W2	know the indications for surgical treatment and invasive examination	F.W3.
W3	know the procedures in diagnosis and treatment of head and neck tumors including reconstructive surgery	F.W13.
W4	know the basic terms in maxillofacial surgery	HW10.
180. Forms of classes		
<i>Form</i>	<i>Number of hours</i>	<i>Number of groups</i>
<i>Lecture</i>		
<i>Seminar</i>	12	4
<i>Practical classes</i>		
181. Subject topics and educational contents		

S1-Seminar 1 – History of maxillofacial surgery Education requirements for Maxillofacial Surgery

S2-Seminar 2 - Odontogenic infections.

S3-Seminar 3 - Clinical features and treatments of odontogenic sinusitis,

S4-Seminar 4 - Surgically treated diseases of the salivary glands.

S5–Seminar 5 - Diagnosis and surgical treatment of malignant tumours, including reconstructive surgery

S6-Seminar 6 - Microsurgical reconstruction. Facial transplantation

S7-Seminar 7 - Maxillofacial traumatology – Midface fractures.

S8-Seminar 8 - Maxillofacial traumatology – Mandibular fractures.

S9–Seminar 9- Orthognathic surgery,

S10-Seminar 10 - Surgical treatment and reconstructive surgery of cysts and benign tumours of the jaws.

S11 – Seminar 11 – Bone grafting

S12 – Seminar 12 – Temporomandibular joint disorders

182. Methods of verification of learning outcomes

Learning outcome corresponding to the subject (symbol)	Forms of classes (symbol)	Methods of verification of a learning outcome	Credit receiving criteria
W1 – W4	S1-S12	Final test, report	Acceptable acquisition of learning outcomes

183. Evaluation criteria

Form of receiving credit in a subject:

Test (MCQ, 20 questions) - grade	criteria
Failed	0-10 points
Passed	11-20 points

184. Literature

Obligatory literature:

1. Peterson's Principles of Oral and Maxillofacial Surgery, Michael Miloro , GE Ghali , Peter Larsen, Peter Waite, 2012

Supplementary literature:

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

185. ECTS credits calculation

<i>Form of activity</i>	<i>Number of hours</i>	<i>Number of ECTS credits</i>
<i>Direct hours with an academic teacher:</i>		
Lectures		
Seminars	12	0,8
Practical classes		
<i>Student's independent work</i> (<i>examples of the form of work</i>):		
Student's preparation for a seminar	6	0.2
Student's preparation for a class		
Preparation for obtaining credits		
Other (please specify)		

186. Additional Information

(e.g., information on a scientific association operating within the unit, information on commuting to university, etc.)



INFECTIOUS DISEASES

187. Imprint

Faculty name:	FACULTY OF MEDICINE WITH THE ENGLISH DIVISION AND THE PHYSIOTHERAPY DIVISION
Education program (<i>field of study, level and educational profile, form of studies, e.g., Public Health, 1st level studies, practical profile, full time</i>):	6-year MD programme in English
Academic year:	2019/2020
Module/subject name:	Infectious diseases
Subject code (<i>from the Pensum system</i>):	
Educational units:	2M5, 2M4
Head of the unit/s:	Prof. dr hab.med. Magdalena Marczyńska Prof.dr hab.med. Andrzej Horban
Study year (<i>the year during which the respective subject is taught</i>):	IV
Study semester (<i>the semester during which the respective subject is taught</i>):	VII
Module/subject type (<i>basic, corresponding to the field of study, optional</i>):	Basic course
Teachers (<i>names and surnames and degrees of all academic teachers of respective subjects</i>):	<ol style="list-style-type: none"> 1. Dr n.med. Małgorzata Aniszewska 2. Dr n.med Jolanta Popielska 3. Dr n.med Ewa Talarek 4. Dr n.med Konrad Zawadka 5. Dr n.med Agnieszka Ołdakowska 6.Dr n.med. Maria Pokorska-Śpiewak 7. Lek. Urszula Coupland 8. Prof. Andrzej Horban

	<p>9.Dr n.med. Dawid Porowski</p> <p>10.Dr n.med. Agnieszka Bednarska</p> <p>11.Dr hab..med. Justyna Kowalska</p> <p>12.Dr n.med. Marcin Paciorek</p> <p>13.Dr n.med. Joanna Raczyńska</p> <p>14.Lek. Joanna Puła</p> <p>15.Lek. Joanna Hackiewicz</p> <p>16.Lek. Dominik Bursa</p> <p>17dr n.med.. Agata Skrzat-Klapaczyńska</p> <p>18.Lek. Ewa Pietraszkiewicz</p> <p>19.Lek. Agnieszka Wróblewska</p>
ERASMUS YES/NO (<i>Is the subject available for students under the ERASMUS programme?</i>):	YES
A person responsible for the syllabus (<i>a person to which all comments to the syllabus should be reported</i>)	<p>Prof. dr hab.med. Andrzej Horban, Ewa Ciostek</p> <p>Prof. dr hab. med. Magdalena Marczyńska, mgr Małgorzata Doroba</p>
Number of ECTS credits:	5
188. Educational goals and aims	
38. The students is supposed to to gain the knowledge about the epidemiology, diagnostics, treatment and prevention of infectious diseases in adults and children.	
189. Initial requirements	
14. Basic knowledge about anatomy, pathophysiology, internal medicine, pharmacology, microbiology An ability to work with Polish speaking patients and to conduct the physical examination.	
190. Learning outcomes corresponding to the subject	
A list of course learning outcomes	

Symbol of course learning outcomes	Description of course learning outcomes	The reference to programme learning outcomes (number)
W01	<p>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.</p> <p>Digestive system diseases. Including diseases: oral cavity, esophagus, stomach and duodenum, intestine, pancreas, liver, biliary tract and gall bladder</p>	E.W7c
W02	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.W 14d
W03	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.W32
W04	knows and understands the causes, symptoms, diagnostics and therapy principles in the most common sexual- transmitted diseases: syphilis, HPV, HSV, HBV, HIV	E.W34
W05	knows the types of biological materials used in laboratory diagnostics and principles of obtaining samples for microbiologic testing	E.W37
W06	knows the indications for implementation of monitored therapy – in chronic infectious diseases (mainly HIV, HBV, HCV infection)	E.W40
W07	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,	E.W3e,h,i

	epilepsy, the most common childhood infectious diseases	
W08	know the most common life-threatening States in children and in these States	E.W6
U01	takes medical interview with adult patient	E.U1
U02	takes medical interview with a child and guardians	E.U2
U03	takes full and targeted physical examination of adult patient	E.U3
U04	evaluates patient's general condition and state of consciousness	E.U7
U05	knows how to wield percentiles charts in anthropometric and blood pressure measurements	E.U9
U06	evaluates the grade of sexual development	E.U10
U07	carry out differential diagnosis the most common diseases of adults and children	E.U12
U08	evaluates and describes somatic and psychological condition of a patient	E.U13
U09	recognizes life- treating conditions	E.U14
U10	recognizes symptoms of alcohol, narcotics and other stimulants use	E.U15
U11	plans to conduct diagnostic, therapeutic and prophylactic	E.U16
U12	performs analysis of possible drugs adverse effects and interactions	E.U17
U13	Recognizes drug dependences symptoms and proposes treatment management	E.U19

U14	qualifies patients for hospital or ambulatory therapy	E.U20
U15	interprets results of laboratory tests and identifies the causes of abnormalities	E.U24
U16	plans management after exposure for blood-transmitted infections	E.U26
U17	qualifies for immunization	E.U27
U18	obtains materials for laboratory diagnostics	E.U28
U19	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.U29a,b,f
U20	assists at lumbar puncture	E.U30e
K01	is able make and maintain a respectful contact with a patient puts a patient`s welfare on the first place keeps the medical secrecy and respects a patient`s rights is aware of his own limitations and ready for continuous self- education	K01

191. Forms of classes

<i>Form</i>	<i>Number of hours</i>	<i>Number of groups</i>
<i>Lecture</i>		
<i>Seminar</i>	45	4
<i>Practical classes</i>	60	4

192. Subject topics and educational contents

e.g.:

S1 – Laboratory diagnosis of infectious diseases

S2- Approache to patient with fever of unknown origin

S3-Infections in transplant recipients and patients with cancer

S4- Pharyngitis, sinusitis, otitis. Infectious bronchitis. Infectious bronchiectasis.

S5- Opportunistic infections in HIV/AIDS patients-diagnosis and treatment.

S6- Fever and rash.

S7- Acute bacterial meningitis including Listeria monocytogenes infection

S8- Pneumonia and lung abscesses

S9- Nosocomial infections

S10- Treatment of bacterial infections

S11- Acute and chronic viral hepatitis

S12 Emerging infections

S13- Systemic fungal infections

S14- Infectious osteomyelitis and arthritis

S15- Parasitic diseases

S16- C. difficile and other clostridial infections

S17 – Brain abscesses and empyema

S18- Malaria. Travel medicine

S19 – HIV infection

S20- Sepsis and septic shock

S21- Viral infections of CNS. Chronic and recurrent meningitis

S22- Intraabdominal infections including abscesses and peritonitis

S23- Acute infectious diarrheal diseases

S24- Tick-borne diseases

S25- Infections of the skin, muscle, and soft tissues, infectious complications of bites and burns

S26- Urinary tract infection and STD

S27- Infective endocarditis and pericarditis

S28 - HIV infection in children

S29- Exanthematous diseases in children

S30- Respiratory tract infections in children

S31- Acute infectious diarrheal diseases in children

S32- Viral infection in children

S33- Immunization principle and vaccine use
S34 -Congenital infections

193. Methods of verification of learning outcomes

Learning outcome corresponding to the subject (symbol)	Forms of classes (symbol)	Methods of verification of a learning outcome	Credit receiving criteria
W01--8	Seminars, lectures, e-learning	Short tests	attendance
U01-20	Exercising at the patient's bedside	Evaluation of practical skills at completion of the course	Presentation of a clinical case with an ability to propose a preliminary diagnosis, differential diagnosis and therapy

194. Evaluation criteria

Form of receiving credit in a subject: Exam test

grade	criteria
2.0 (failed)	
3.0 (satisfactory)	acceptable assimilation of learning outcomes
3.5 (rather good)	
4.0 (good)	
4.5 (more than good)	
5.0 (very good)	

195. Literature

Obligatory literature:

1. Harrison`s Infectious Diseases, 3rd Editiojn 2017

Dennis L. Kasper, Anthony S. Fauci

2. 4. Clinical Microbiology made ridiculously simple. M.Gladwin, W.Trattler, C.S.Mahan, 7th Edition

Supplementary literature:

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;

196. ECTS credits calculation

<i>Form of activity</i>	<i>Number of hours</i>	<i>Number of ECTS credits</i>
Direct hours with an academic teacher:		
Lectures		
Seminars	45	1,8
Practical classes	60	2,4
Student's independent work (<i>examples of the form of work</i>):		
Student's preparation for a seminar	5	0,2
Student's preparation for a class	5	0,2
Preparation for obtaining credits	10	0,4
Other (please specify)	-	-

197. Additional Information

(e.g., information on a scientific association operating within the unit, information on commuting to university, etc.)



SURGERY

1. Imprint

<i>Name of faculty:</i>	English Division of the Second Faculty of Medicine
<i>Programme of study (field of study, level and educational profile, form of study eg.: 2nd Faculty of Medicine, English Division, intramural, full-time):</i>	General surgery, clinical and practical profile, full time - intramural English Division – 6 years intramural study, 2 nd Faculty of Medicine
<i>Academic year:</i>	2019/2020
<i>Name of module/ subject:</i>	General Surgery
<i>Subject/course code:</i>	General Surgery
<i>Units conducting the course:</i>	Department of General, Transplant and Liver Surgery, Medical University of Warsaw
<i>Head of the Unit/Department:</i>	Prof. Dr hab. n. med. Krzysztof Zieniewicz MD. PhD.
<i>Year of study (year on which the course is conducted):</i>	4 th year
<i>Semester of study (semester on which the course is conducted):</i>	8 th semester
<i>Type of module/subject (basic course, specialization course, optional course):</i>	Basic clinical course
<i>ALL the persons conducted activities (names, surnames and their degrees):</i>	<p>Prof. Krzysztof Zieniewicz, MD., PhD., Prof. of Surgery</p> <p>Prof. Marek KRAWCZYK, MD. PhD. FEBS, Prof. of Surgery</p> <p>Prof. Włodzimierz Otto, 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</p> <p>Prof. Tadeusz Wróblewski, MD., PhD., Prof. of Surgery</p> <p>Ass. Prof. Krzysztof Dudek, MD., PhD.</p> <p>Ass. Prof. Oskar Kornasiewicz MD., PhD.</p> <p>Ass. Prof. Michał Grąt, 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>

	Dr. Waław Hołowko, MD. Dr. Eliza Kobryń, MD. Dr. Krzysztof Kobryń, MD. Dr. Sławomir Kozieł, MD. Dr. Joanna Ligocka, MD. Dr. Łukasz Nazarewski, MD. Dr. Małgorzata Nowosad, MD. Dr. Marta Przybysz, MD. Dr. Rafał Stankiewicz, MD.	
<i>Erasmus YES/NO (if the course is available for the Erasmus students):</i>	Yes	
<i>The person in charge of syllabus (the person to whom remarks can be directed):</i>	Ass. Prof. Oskar Kornasiewicz MD., PhD. Michał Skalski MD, PhD,	
Number of ECTS:	2	
2. Educational objectives		
1. 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.		
3. Prerequisite requirements		
1. Basic polish language allowing contact with patients 2. Basic knowledge of physiology, biochemistry, pharmacology and pathophysiology 3. Knowledge of anatomy of the body 4. Basic skills on physical examination and history taking 5. Knowledge of surgical basics, scrubbing, operating theater code		
4. Learning outcome of a course		
List of learning outcomes		
Symbol	Description	Relation to a learning outcome
<i>(the course code)_ (number of the learning outcome and its category)</i> <i>K-knowledge, S-skills, C-competence)</i>		
K 1	Knowledge of surgical techniques used in treatment of surgical diseases as: acute abdominal pain, gastrointestinal bleeding, bowel obstruction, hepatobiliary diseases, colorectal cancer, abdominal hernias, pancreatic diseases, trauma, burns and shock, vascular diseases.	E.W.7 K

S 1	Skills: medical history taking and physical examination of patients with surgical diseases, surgical wound management (surgical sutures) and dressing, basic interpretation of imaging diagnostics such as computed tomography, magnetic resonance imaging, cholangiography, observing and/or assisting during surgery in the operating theater.	E.U.1; E.U.3: E.U.13 S
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<p>C 1</p>	<p>Multiorgan injuries – epidemiology, pathophysiology of the shock, pre-hospital treatment, diagnostic (trauma scan, FAST), surgical and conservative treatment</p> <p>Endocrine surgery - common causes and types of endocrine disorder, standard diagnostic, laboratory and radiographic studies, complications associated with endocrine diseases with operative therapy, life-saving therapies, other operative and treatments available for endocrine disease</p> <p>Acute vascular disease – selected group of patients, diagnostic (Angio-CT), surgical and endovascular procedures</p> <p>GEP/NET of GI Tract – epidemiology, diagnostic and treatment of neuroendocrine tumors</p> <p>Surgical care in the Outpatient clinic – ambulatory follow up after surgical procedures, “one-day” surgery procedures</p> <p>Evolution of surgical approach and treatment of gastric and duodenal ulcers – epidemiology, pathophysiology, methods of: pharmacological, endoscopic and surgical treatment</p> <p>Phlegmon, abscess, sebaceous cyst, – surgical management & treatment, surgical drainage</p> <p>Robotic surgery - modern methods of low-invasive surgery</p> <p>Endoscopic treatment of biliary tract disease - treatment of benign or malignant disease of biliary tract (ERCP, PTC)</p> <p>Endoscopic treatment of GI bleeding - treatment of patients with bleeding from ulcers, esophageal varices</p> <p>Acute kidney injury Acute liver failure - pathophysiology, conservative treatment, hemodialysis</p> <p>Diabetic foot - diabetic neuropathy, risk factors, surgical drainage, amputation</p> <p>Endometriosis – multidisciplinary problem - epidemiology, differential diagnostic, hormonotherapy, surgical treatment, complications</p> <p>Dysphagia; surgery of the esophagus – cancer, chemical burns, surgical and endoscopic treatment</p> <p>Gastric cancer – epidemiology, early gastric cancer, endoscopy for diagnostic and treatment, gastrectomy</p> <p>Malignances of the gallbladder and biliary tract - epidemiology, symptoms, palliative treatment, surgical treatment</p> <p>Abdominal hernias – anatomy, laparoscopic vs open hernioplasty</p> <p>Laparoscopic surgery - overview of mini-invasive methods of surgical treatment</p> <p>GERD – epidemiology, symptoms, laparoscopic fundoplication, pH-metry</p> <p>ERAS protocol in surgery – application of protocol of early recovery of surgical patients</p> <p>Risk factors and complications in surgery – ‘high-risk’ patient, minor and major post-operative complications</p>	<p>E.U 12; E.U.16 C</p>
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5. Forms of conducted activities

<i>Form</i>	<i>Number of hours</i>	<i>Number of groups</i>	<i>Minimal number of students in a group</i>
<i>Seminar</i>	<i>12</i>	<i>1</i>	<i>10</i>
<i>Classes</i>	<i>18</i>	<i>3</i>	<i>5</i>

6. The subjects of activities and curriculum content

1. Multiorgan injuries (K1, S1, C1)
2. Endocrine surgery (K1, S1, C1)
3. Acute vascular disease (K1, S1, C1)
4. Liver resections (video) (K1, S1, C1)
5. Progress in palliative treatment of liver tumors (K1, S1, C1)
6. GEP/NET of GI Tract (K1, S1, C1)
7. Surgical care in the Outpatient clinic (K1, S1, C1)
8. Evolution of surgical approach and treatment of gastric and duodenal ulcers (K1, S1, C1)
9. Phlegmon, abscess, sebaceous cyst, – surgical management & treatment(K1, S1, C1)
10. Robotic surgery (K1, S1, C1)
11. Laparoscopic vs open appendectomy (video) (K1, S1, C1)
12. Endoscopic treatment of biliary tract disease (K1, S1, C1)
13. Prophylaxis of infections (K1, S1, C1)
14. Endoscopic treatment of GI bleeding (K1, S1, C1)
15. Operations performed in ER patients (K1, S1, C1)
16. Acute kidney injury Acute liver failure (K1, S1, C1)
17. Diabetic foot (K1, S1, C1)
18. Endometriosis – multidisciplinary problem (K1, S1, C1)
19. Dysphagia; surgery of the esophagus (K1, S1, C1)
20. Gastric cancer (K1, S1, C1)
21. Malignances of the gallbladder and biliary tract (K1, S1, C1)
22. Laproscopic vs open cholecystectomy (video) (K1, S1, C1)
23. Abdominal hernias (K1, S1, C1)
24. Laparoscopic surgery (K1, S1, C1)
25. GERD (K1, S1, C1)
26. Laparoscopic vs open hernioplasty (video) (K1, S1, C1)
27. ERAS protocol in surgery (K1, S1, C1)
28. Risk factors and complications in surgery (K1, S1, C1)
29. Intraoperative ultrasound examination (K1, S1, C1)
30. Use of CT and MR in the diagnosis of liver tumors (K1, S1, C1)
31. Colorectal surgery (K1, S1, C1)
32. Pancreatic diseases (K1, S1, C1)
33. Obesity surgery (K1, S1, C1)
34. Laparoscopic operation for morbid obesity (video) (K1, S1, C1)
35. Liver support (K1, S1, C1)
36. Interventional radiology in liver surgery (K1, S1, C1)
37. Surgical knots and suturing (practical training) (K1, S1, C1)
38. Liver tumors and liver trauma (K1, S1, C1)
39. Liver resection (K1, S1, C1)
40. Liver transplantation and living donation (K1, S1, C1)
41. Iatrogenic bile duct injuries (K1, S1, C1)
42. Liver procurement from deceased donors (K1, S1, C1)
43. Liver transplantation from deceased donor (video) (K1, S1, C1)
44. Surgical ICU (K1, S1, C1)
45. Ascites-diagnosis and treatment (K1, S1, C1)

46. The hepatology inpatient service (K1, S1, C1) 47. Follow up after liver transplantation (K1, S1, C1)					
7. Methods of verification of curriculum content					
Course learning outcome	Forms of conducted activities		Methods of learning outcome verification	Criteria of credit for a course	
K 1	seminars		test	Acceptable acquisition of learning outcomes	
S 1	classes		test	Acceptable acquisition of learning outcomes	
8. Evaluation criteria					
The form of credit for a course: MCQ (16 points)					
grade			criteria		
Pass			(9/16 correct questions =60% and above)		
Fail			(8/16 correct questions = 50% and below)		
9. Literature/Textbooks					
<ol style="list-style-type: none"> Essentials of General Surgery, by Peter Lawrence. Current Surgical Diagnosis and Treatment, by Lawrence W. Way. General Surgery, by Ritchie P. Wallace. The Student's Textbook of Surgery, by William M. Rambo. Essential Surgery: Problems, Diagnosis, and Management, by George H Burkitt. Basic Surgery, by Hiram C Polk, Jr. 					
10. ECTS calculation					
<i>Form of activity</i>		<i>Number of hours</i>		ECTS points	
<i>Contact hours with an academic teacher:</i>					
Lecture		0			
Seminar		40		0,1	
Classes		20		0,2	
<i>Student individual workload (exemplary work form):</i>					
Preparation workload to seminar		4		0,15	
Preparation workload to conducting activities		4		0,15	

Preparation workload to credits	8	0,3
In total	28	1
11. Additional information		



UROLOGY

1. Imprint	
Faculty name:	Second Faculty of Medicine with the English Division and Physiotherapy Division
Education program (<i>field of study, level and educational profile, form of studies, e.g., Public Health, 1st level studies, practical profile, full time</i>):	Medicine, stationary, practical profile, full time
Academic year:	2019/2020
Module/subject name:	Urology
Subject code (<i>from the Pensum system</i>):	1M7
Educational units:	Department of Urology Medical University of Warsaw
Head of the unit/s:	prof. Piotr Radziszewski M.D., Ph.D.
Study year (<i>the year during which the respective subject is taught</i>):	4
Study semester (<i>the semester during which the respective subject is taught</i>):	8
Module/subject type (<i>basic, corresponding to the field of study, optional</i>):	basic
Teachers (<i>names and surnames and degrees of all academic teachers of respective subjects</i>):	Prof. Piotr Radziszewski Prof. Piotr Dobroński Dr. Jędrzej Michalec MD PhD Dr. Tomasz Borkowski MD PhD Dr. Waldemar Szabłoński MD PhD Dr. Sławomir Poletajew MD Ph Dr. Łukasz Zapała MD PhD Dr. Łukasz Kupis
ERASMUS YES/NO (<i>Is the subject available for students under the ERASMUS programme?</i>):	YES

A person responsible for the syllabus (<i>a person to which all comments to the syllabus should be reported</i>)	Waldemar Szabłoński
Number of ECTS credits:	2
2. Educational goals and aims	
<ol style="list-style-type: none"> 1. To get acquainted with terminology used in urology 2. 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 3. To know basic therapies in most common urological diseases 4. To know urgent conditions and their consequences. To be able to carry out differential diagnosis and initial management. 5. To know risk factors, methods of screening and preventive measures of genitourinary malignancies 6. To know symptoms, work-up, staging and management of localized and advanced genitourinary malignancies. 7. To understand physiology of lower urinary tract and mechanisms of urine incontinence and retention. 8. To be able to catheterize the patient 	

3. Initial requirements		
Anatomy and physiology of genitourinary tract		
4. Learning outcomes corresponding to the subject		
A list of course learning outcomes		
Symbol of course learning outcomes	Description of course learning outcomes	The reference to programme learning outcomes (number)
W1	knows and understands the etiology, symptoms, principles of diagnosis and therapeutic management of the urinary stone disease	E.W7.
W2	knows and understands the etiology, symptoms, principles of diagnosis and therapeutic management in relation to urinary tract infections,	E.W7.

W3	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.
W4	knows and understands the etiology, symptoms, principles of diagnosis and therapeutic management of prostate diseases	E.W7.
W5	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.
W6	knows and understands the etiology, symptoms, principles of diagnosis and therapeutic management of the genitourinary tract trauma	E.W7.
W7	knows and understands the etiology, symptoms, principles of diagnosis and therapeutic management of urological emergencies	E.W7.
U1	can assess the indications for suprapubic puncture and participates in the procedure;	F.U23
U2	assists with common urological procedures (diagnostic and therapeutic endoscopic procedures, lithotripsy, prostate cancer biopsy);	F.U24
U3	can perform urinary bladder catheterization in women and men.	E.U29 g)
5. Forms of classes		
<i>Form</i>	<i>Number of hours</i>	<i>Number of groups</i>
<i>Lecture</i>		
<i>Seminar</i>	10	
<i>Practical classes</i>	20	6.
6. Subject topics and educational contents		

S1 – Seminar 1.

Topic: Symptoms. Instruments. Terminology
Symbol of course learning outcome: W6 U1 U2 U3

S2 – Seminar 2.

Topic: Urolithiasis
Symbol of course learning outcome: W1

S3 – Seminar 3.

Topic: Urological Oncology (neoplasms of the kidney, the bladder, the testis, and the penis)
Symbol of course learning outcome: W3

S4 – Seminar 4.

Topic: Emergency in urology
Symbol of course learning outcome: W7

S5 – Seminar 5.

Topic: Diseases of the prostate (prostate cancer, benign prostatic hyperplasia)
Symbol of course learning outcome: W3 W4

S6 – Seminar 6.

Topic: Urinary incontinence and other functional disorders of the lower urinary tract
Symbol of course learning outcome: W5

S7 – Seminar 7.

Topic: Traumatology of the genitourinary tract
Symbol of course learning outcome: W6

C1- Practical classes 1.

Topic: The ward
Symbol of course learning outcome: U1 U2 U3

C2- Practical classes 2.

Topic: Operating theater
Symbol of course learning outcome: W1-6 U1-3

C3- Practical classes 3.

Topic: Surgical treatment of urolithiasis
Symbol of course learning outcome: W1

C4- Practical classes 4.

Topic: One day clinic

Symbol of course learning outcome: U1-3

7. Methods of verification of learning outcomes			
Learning outcome corresponding to the subject (symbol)	Forms of classes (symbol)	Methods of verification of a learning outcome	Credit receiving criteria
W1-7	S C	Test exam	Pass the exam
U1-3	C	Confirmation	Confirmed assistance to obligatory procedures
8. Evaluation criteria			
Form of receiving credit in a subject:			
grade		Criteria (points acquired from the test)	
2,0 (failed)		Less than 20	
3,0 (satisfactory)		20-22	
3,5 (less than good)		23-24	
4,0 (good)		25-26	
4,5 (more than good)		27-28	
5,0 (very good)		29-30	
9. Literature			
<p>Obligatory literature: E-medicine: http://emedicine.medscape.com/urology For Polish speaking students: A. Borkowski et al.: Urologia. Podręcznik dla studentów medycyny. PZWL 2008</p> <p>Supplementary literature European Association of Urology Guidelines: http://uroweb.org/guidelines/</p>			

10. ECTS credits calculation

<i>Form of activity</i>	<i>Number of hours</i>	<i>Number of ECTS credits</i>
<i>Direct hours with an academic teacher:</i>		
Lectures	-	-
Seminars	10	0,5
Practical classes	20	0,5
<i>Student's independent work</i>	<i>Student's independent work</i>	<i>Student's independent work</i>
Student's preparation for seminars and classes	15	0,5
Preparation for obtaining credits	15	0,5
Total	60	2

11. Additional Information

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



PULMONOLOGY	
Faculty name:	WL-English Division
Education program (<i>field of study, level and educational profile, form of studies, e.g., Public Health, 1st level studies, practical profile, full time</i>):	Medicine, Faculty of Medicine, English Division, intramular, full-time
Academic year:	2019-2020
Module/subject name:	Pulmonology
Subject code (<i>from the Pensum system</i>):	45800
Educational units:	Instytut Gruźlicy i Chorób Pluc, ul. Plocka 26, 01-38 Warszawa, phone: 4312108, fax. 224312408, e.mail: m.kostek@igichp.edu.pl
Head of the unit/s:	Prof. Kazimierz Roszkowski-Sliż
Study year (<i>the year during which the respective subject is taught</i>):	4th
Study semester (<i>the semester during which the respective subject is taught</i>):	I
Module/subject type (<i>basic, corresponding to the field of study, optional</i>):	basic course
Teachers (<i>names and surnames and degrees of all academic teachers of respective subjects</i>):	Dr n.med. Janusz Szopiński, dr n.med. Paweł Kuca, prof. Piotr Boros, prof. Monika Szturmowicz,, dr n.med Jolanta Załęska, dr n.med. Dariusz Kamiński, dr n.med. Małgorzata Polubiec, dr n.med. Karina Onisz, dr n.med. Jakub Ptak, prof. Stefan Wesołowski, prof. Piotr Boros, dr n.med. Elżbieta Puścińska, dr n.med. Paweł Kuca, dr Katarzyna Lewandowska, prof. Maria Korzeniewska, prof. Robert Pływaczewski
ERASMUS YES/NO (<i>Is the subject available for students under the ERASMUS programme?</i>):	yes
A person responsible for the syllabus (<i>a person to which all comments to the syllabus should be reported</i>)	Dr n.med. Janusz Szopiński,

Number of ECTS credits:	2
1. Educational goals and aims	
<i>The aim of the course is giving medical students basic information about: etiology and symptoms of pulmonology which they can deal with during their work as general practitioner; diagnostic procedures and tests used in pulmonology and interpretation of their results; management of the most common pulmonary diseases.</i>	

2. Initial requirements

Basic knowledge of physical examination.

3. Learning outcomes corresponding to the subject

A list of course learning outcomes

Symbol of course learning outcomes	Description of course learning outcomes	The reference to programme learning outcomes (number)
K-knowledge	Student has knowledge about the causes symptoms and the principles of diagnosing lung diseases He knows and understand the causes, symptoms, diagnosis rules in relation to diseases of the chest requiring surgical intervention	EW-7 FW1
S-skills	Mastering the theoretical knowledge of pulmonology. Practical exercises with patients: anamnesis, physical examination and discussion that additional studies are necessary to establish the diagnosis.	EU1
C-competence	Student extends the knowledge and masters their skills in the scope of pulmonology.	

4. Forms of classes

Form	Number of hours	Number of groups
Lecture	4	1
Seminar	16	4
Practical classes	10	20

5. Subject topics and educational contents

e.g.: W1-Lecture 1- Lecture topic...- Educational contents - Symbol of course learning outcome/s....- Lecturer - prof. dr hab. Jan Nowak (teacher name is not obligatory)

W2-Lecture 2- Lecture topic...- Educational contents - Symbol of course learning outcome/s....- Lecturer - prof. dr hab. Jan Nowak (teacher name is not obligatory)

S1-Seminar 1- Topic ...- Educational contents - Symbol of course learning outcome/s....- Teacher- prof. dr hab. Jan Nowak (teacher name is not obligatory)

Lectures –

1. Asthma, diagnosis and treatment – prof. P. Boros
2. AIDS and the lung – prof. M. Szturmowicz
3. Diagnosis of airway – prof. P. Boros
4. Tuberculosis diagnosis and treatment – prof.M. Korzeniewska

Seminars -

1. Sleep apnea – prof. R. Pływaczewski
2. Diagnosis of airway – prof. P. Boros
3. Lung function in restrictive lung diseases – prof. S. Wesółowski
4. The role of smoking in the pathogenesis of the diseases of the lung and bronchi – dr Puścińska
5. Extrapulmonary tuberculosis – a diagnostic problem – prof. M. Korzeniewska
6. Diseases of the pleura – dr J. Załęska
7. Chronic obstructive pulmonary diseases – dr D. Kamiński
8. Embolic and thrombotic diseases of the lung – dr P. Kuca
9. Respiratory failure – dr P. Kuca
10. Interstitial lung diseases – dr J. Załęska
11. The principles of pulmonary radiology – dr Oniszh
12. Bronchoscopy in the diagnosis and treatment of the diseases of the bronchi – dr M.Polubiec
13. Pulmonary tuberculosis – dr J. Ptak
14. Pneumonia – dr Lewandowska
15. Lung Cancer – dr J. Szopiński
16. Some aspects of the diagnosis of chest diseases – dr J. Szopiński

6. Methods of verification of learning outcomes

Learning outcome corresponding to the subject (symbol)	Forms of classes (symbol)	Methods of verification of a learning outcome	Credit receiving criteria
	<i>Lectures and Seminars</i>	<i>Active participation</i>	Student will master theoretical knowledge satisfactorily, more than 50% of the material
	Classes	<i>Active participation</i>	

7. Evaluation criteria- oral colloquium

Form of receiving credit in a subject:

grade	criteria
2.0 (failed)	
3.0 (satisfactory)	
3.5 (rather good)	
4.0 (good)	
4.5 (more than good)	
5.0 (very good)	

8. Literature

Obligatory literature:

1. Harrison's Principles of Internal Medicine. Ed. Kurt J. I wsp. McGraw-Hill, Inc. ...

Supplementary literature:

1. Clinical Pulmonary Medicine ed. Little, Brown and Company, Boston ...

9. ECTS credits calculation

<i>Form of activity</i>	<i>Number of hours</i>	<i>Number of ECTS credits</i>
<i>Direct hours with an academic teacher:</i>		
Lectures	4	0,3
Seminars	16	1
Practical classes	10	0,7
<i>Student's independent work (examples of the form of work):</i>		
Student's preparation for a seminar	5	0,5
Student's preparation for a class	5	0,5

Preparation for obtaining credits	10	1
Other (please specify)	30	2
10. Additional Information		
<i>(e.g., information on a scientific association operating within the unit, information on commuting to university, etc.)</i>		