



Introduction to Internal Medicine

1. IMPRINT	
Academic Year	2024/2025
Department	Faculty of Medicine
Field of study	Medicine
Main scientific discipline	Medical sciences
Study Profile	General academic
Level of studies	uniform MSc
Form of studies	full-time studies
Type of module / course	obligatory
Form of verification of learning outcomes	completion
Educational Unit / Educational Units	Department of Endocrinology, Diabetology and Internal Diseases; Mazovian Brodnowski Hospital, Kondratowicza 8, 03-242 Warsaw
Head of Educational Unit / Heads of Educational Units	Prof. Przemysław Witek MD, PhD
Course coordinator	Paweł Kuca MD, PhD
Person responsible for syllabus	Paweł Kuca MD, PhD
Teachers	Przemysław Witek, MD, PhD Marek Kowrach, MD, PhD Paweł Kuca, MD, PhD Roman Kuczerowski, MD, PhD Patrycja Adamek, MD Olga Gajek-Daszczyńska, MD Aleksandra Dubiel, MD Agnieszka Maksymiuk-Kłós, MD Justyna Nowak, MD

	Magdalena Poteraj, MD Joanna Sobolewska, MD Agnieszka Wojciechowska – Luźniak, MD Zuzanna Żak, MD
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2. BASIC INFORMATION			
Year and semester of studies	III, winter/summer semester	Number of ECTS credits	5.00
FORMS OF CLASSES		Number of hours	ECTS credits calculation
Contacting hours with academic teacher			
Lecture (L)	10	1	
Seminar (S)	20	1	
Classes (C)			
e-learning (e-L)			
Practical classes (PC)	70	1.5	
Work placement (WP)			
Unassisted student's work			
Preparation for classes and completions	40	1.5	

3. COURSE OBJECTIVES	
O1	Ability to take medical history and perform effective physical examination.
O2	Ability to conduct differential diagnosis and to use proper diagnostic path.
O3	Interpretation of basic laboratory results and imaging studies.

4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING	
Code and number of the effect of learning in accordance with standards of learning	Effects in the field of: E.W1, E.W7 points: 1, 2, 3, 4, 5, 6, 7, 8, 9, E.W40, E.W41, E.U1, E.U3, E.U7, E.U12, E.U13, E.U14, E.U16, E.U18, E.U24, E.U38

Knowledge – Graduate* knows and understands:	
G.K1	knows and understands principles of history taking and physical examination (E.W7 points: 1, 2, 3, 4, 5, 6, 7, 8, 9)
G.K2	knows the typical, common symptoms and signs which are the cause of consultation and admissions to the internal wards, knows how to obtain a proper diagnosis (E.W1, E.W7 points: 1, 2, 3, 4, 5, 6, 7, 8, 9)
G.K3	knows and understands interpretation of laboratory values and others basic tests (E.W7 points 4, 6, 9, E.W40, E.W41)

Skills– Graduate* is able to:	
G.S1	take history and perform physical examination of patients admitted to the internal wards (E.U1, E.U3, E.U7, E.U13)
G.S2	interpret laboratory tests and imaging studies (E.U24)
G.S3	provide differential diagnosis (E.U12)
G.S4	plan diagnostic procedures and treatment (E.U16)
G.S5	prepare and analyse clinical cases (E.U13, E.U38)
G.S6	present a case to other physician, consult relevant abnormalities in laboratory and imaging tests (E.U13, E.U14, E.U16, E.U18)

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

5. ADDITIONAL EFFECTS OF LEARNING (non-compulsory)	
Number of effect of learning	Effects in the fields of:
Knowledge – Graduate knows and understands:	
K1	
K2	
Skills– Graduate is able to:	
S1	
S2	
Social Competencies – Graduate is ready for:	
SC1	
SC2	

6. CLASSES		
Form of class	Class contents	Effects of Learning
Bedside classes	Training of practical issues connected with taking history, signs and symptoms assessment. Training of basic practical procedures. Training of differential diagnosis. Interpretation of basic lab tests, imaging studies and basics of ECG.	E.U1, E.U3, E.U7, E.U12, E.U13, E.U14, E.U16, E.U24, E.U38
Seminars	<ol style="list-style-type: none"> 1. History taking 2. Physical examination 3. Cardiovascular system – history taking and physical examination 4. Cardiovascular system – cardiac imaging and catheterization 5. Respiratory system – history taking and physical examination 6. Gastrointestinal system – history taking and physical examination 7. Renal medicine – history taking and physical examination 8. Endocrinology – clinical presentations of selected endocrinopathies (thyrotoxicosis, hypothyroidism, Cushing’s syndrome, Addison’s disease, acromegaly, hyperandrogenism and hypopituitarism) 9. Neurology – history taking and physical examination, some common presentations 10. Laboratory tests: some major disease patterns; fluid balance and basic principles of IV fluid therapy 11. Diabetes mellitus – classification, presentation, diagnosis 12. Arterial hypertension – classification, presentation, diagnosis and management 13. The musculoskeletal system – history taking and physical examination 14. Diseases of the gastrointestinal tract 15. Haematology – the components of a physical examination 16. Heart failure – basic concepts and management 17. ECG – a methodical approach and ECG abnormalities 18. Pneumonia – presentation, diagnosis and management 19. Acute kidney injury and chronic kidney failure 20. Gastrointestinal bleeding – causes, symptoms and management; endoscopic procedures 	E.W1, E.W7 points: 1, 2, 3, 4, 5, 6, 7, 8, 9, E.W40, E.W41

7. LITERATURE
Obligatory
<ol style="list-style-type: none"> 1. Oxford Handbook of Clinical Medicine, 10th edition 2. Macleod's Clinical Examination, 14th edition
Supplementary
<ol style="list-style-type: none"> 1. Harrison’s Principles of Internal Medicine, 19th edition. 2. Bate’s Guide to Physical Examination and History Taking, 12th edition

8. VERIFYING THE EFFECT OF LEARNING		
Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
G.S1, G.S2, G.S3, G.S4	Active participation in all seminars and classes.	Obligatory attendance and active participation in all seminars and classes.
G.S5	Preparing a power-point presentation of case report.	Presentation of case report.
G.K1, G.K2, G.K3	Execution of assigned tasks on the e-learning platform.	Execution of assigned tasks on the e-learning platform.
G.K1, G.K2, G.K3	Oral colloquium at the end of the course with the appointed doctor separately for each subgroup.	3.0 (satisfactory).

9. ADDITIONAL INFORMATION
<p>Lectures: Cardiovascular disease risk assessment and management (2 hrs). Imaging studies in the clinical practice (2 hrs). Symptoms and signs of endocrine disorders. (2 hrs) Diabetes mellitus – classification, diagnosis and complications. Metabolic syndrome. (2 hrs) Laboratory tests interpretation (2 hrs).</p> <p>At the first day of the course we meet at the entrance of the clinic (The Department of Endocrinology, Diabetology and Internal Medicine – Kondratowicza Street 8, building C, 7th floor) at 8:00 a.m. Then we present the detailed schedule of classes. Some seminars and classes may be conducted as e-learning, depending on epidemiological situation.</p>

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ATTENTION

The final 10 minutes of the last class of the block/semester/year should be allotted for students to fill out the Survey of Evaluation of Classes and Academic Teachers