

SYLLABUS

INTERNATIONAL EUROPEAN
UNIVERSITY



**SCHOOL OF
MEDICINE**

**Internal medicine
(including endocrinology)**


2021



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Subject 

 Internal medicine (including endocrinology)

Teacher 



Teacher's profile 



Consultations:

Intramural consultations  the second Tuesday of the month from 15:00 to 16:00

Online consultations  the fourth Friday of the month from 15:00 to 16:00

Contact phone 



E-mail 



Subject page 



Form of final control	final test	differential credit	exam
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1 Short subject annotation

Internal medicine (including endocrinology), as an academic discipline, is aimed at studying the basics of internal medicine under its main sections (cardiology, hematology, general internal medicine) with increasing focus on the study of etiology, pathogenesis, clinic, diagnosis, treatment and prevention of the main and the most widespread diseases of internal organs.

2 Prerequisites for studying the subject

The syllabus "Internal Medicine (including endocrinology)" is based on the study of propaedeutics of IM, pediatrics, general surgery, and basic disciplines (medical biology, medical and biological physics, bioorganic and biological chemistry, histology, cytology and embryology, human anatomy, pathomorphology, physiology and pathophysiology, microbiology, virology and immunology, radiology and pharmacology) and integrates with these disciplines.

3 The aim and objectives of the subject

The aim of teaching the academic discipline is to form the ability to apply the acquired knowledge, skills, abilities and understanding for solving typical problems of a doctor in the field of health care, the scope of which is provided by certain lists of syndromes and symptoms of diseases, emergencies and diseases requiring special patient surveillance; laboratory and instrumental studies, medical manipulations.

Aims:

- to master / get acquainted with the procedures which are mostly used in the practice of internal medicine
- to acquire skills of interviewing and clinical examination of patients, diagnosis, differential diagnosis, treatment and prevention of diseases of internal organs, diagnosis and provision of urgent medical aid in emergencies, as well as medical manipulations.

4 Educational outcomes

As a result of studying the subject, the student should:

be aware of:

- methods and standard schemes of interviewing and physical examination of a patient with diseases of his/her respiratory, digestive, blood and hematopoietic organs and the endocrine system;
- algorithms for identifying the leading symptom or syndrome in diseases, as well as the diagnosis and criteria of diseases of the respiratory, digestive, blood and hematopoietic organs and the endocrine system;
- algorithms and standard schemes for the treatment of diseases of the respiratory, digestive, blood and hematopoietic organs and the endocrine system, including prognosis-modifying therapy;
- criteria for diagnosis and principles of emergency medical care in diseases of the respiratory, digestive, blood and hematopoietic organs and the endocrine system;
- algorithms for performing medical manipulations, principles of nutrition, mode of activity and rest of patients with diseases of the respiratory, digestive, blood and hematopoietic organs and the endocrine system;



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4 Educational outcomes

- primary and secondary prevention, prognosis and working capacity of patients with diseases of the respiratory, digestive, blood and hematopoietic organs and endocrine system.

5 ECTS credits

10 credits / 300 academic hours

6 The structure of the subject

Names of modules and topics	Number of hours				
	Lec.	Prac.	Lab.	Student's ind. work	Ind.work
Module 1. Basics of diagnosis, treatment and prevention of the main endocrine diseases					
Topic 1. Diabetes mellitus, classification, etiology, pathogenesis, clinic, diagnosis.	2	4		3	
Topic 2. Type 1 and type 2 diabetes, modern methods of therapy.		5		4	
Topic 3. Acute and chronic complications of diabetes.		4		4	
Topic 4. Iodine deficiency diseases of the thyroid gland. Hypothyroidism and thyroiditis. Classification, diagnosis, clinic, treatment.	2	4		4	
Topic 5. Thyrotoxicosis. Thyroid cancer. Diseases of the thyroid gland.		4		3	
Topic 6. Adrenal disorders. Hormonally active tumors of adrenal glands.	2	4		4	
Topic 7. Diseases of the hypothalamic-pituitary system. Gonadal disorders		4		3	
Module total - 60	6	29		25	1
Module 2. Basics of diagnosis, treatment and prevention of the main diseases of blood and blood-forming organs					
Topic 8. Hemophilia and thrombocytopenic purpura	1	4		3	
Topic 9. Anemia	2	4		2	



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The structure of the subject

Names of modules and topics	Number of hours				
	Lec.	Prac.	Lab.	Student's ind. work	Ind.work
Topic 10. Acute leukemia	1	4		2	
Topic 11. Chronic leukemia				3	
Module 2 total - 30	4	16		10	1
Module 3. Basics of diagnosis, treatment and prevention of the main respiratory diseases					
Topic 12. Chronic obstructive pulmonary disease	2	4		8	
Topic 13. Bronchial asthma	2	4		8	
Topic 14. Pneumonia	2	4		11	
Topic 15. Pleurisy	2	4		9	
Topic 16. Infectious and destructive lung diseases. Bronchiectasis	2	4		14	
Topic 17. Respiratory failure		4		5	
Module 3 total - 90	10	24		55	1
Module 4. Fundamentals of diagnosis, treatment and prevention of the main digestive diseases					
Topic 18. Gastroesophageal reflux disease	2	4		4	
Topic 19. Dyspepsia. Chronic gastritis		4		4	
Topic 20. Peptic ulcer of the stomach and duodenum	2	4		4	
Topic 21. Celiac disease and other enteropathies	1	4		5	
Topic 22. Inflammatory bowel diseases. Irritable bowel syndrome	2	4		4	
Topic 23. Gallstone disease, chronic cholecystitis and functional biliary disorders	2	4		5	
Topic 24. Chronic hepatitis	2	4		3	
Topic 25. Cirrhosis	2	4		4	
Topic 26. Chronic pancreatitis	2	4		3	
The preparation and writing of a medical record				2	
Module 4 total - 90	15	36		38	1



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6 The structure of the subject

Names of modules and topics	Number of hours				
	Lec.	Prac.	Lab.	Student's ind. work	Ind.work
Module 5. General issues of internal medicine					
Topic 27. Principles of evidence-based medicine	2	4		3	
Topic 28. Diagnosis and treatment of diseases of internal organs in elderly people	1	4			
Topic 29. Obesity and its consequences	2	4		3	
Final control preparation				3	
Credit		2			
Module 5 total - 30	5	16		9	
Total - 300	40	120		140	4

7 Subject features

Training period	Semester	International disciplinary integration	Year of study	Cycles: general training / vocational training / free choice
2 semesters	VII- VIII	yes	4 year	general training cycle

8 The assessment system and requirements

The current student performance is assessed according to a 4-point scale (2; 3; 4; 5) on each practical, taking into account the approved assessment criteria for the subject. Each topic should be assessed with grades for further conversion of grades into points according to a multi-point (200-point) scale.

Assessment criteria of current educational activities:

Excellent («5») – the student correctly answered 90-100% of the A-format tests (from the Krok-2 database). He/she solves situational problems of increased complexity, is able to summarize the material.
 Good («4») - the student correctly answered 70-89% of the A-format tests. He/she has all necessary practical skills and techniques of their using in the amount of the required minimum.

Satisfactory («3») - the student correctly answered 50-69% of the A-format tests. He/she is aware of only a required minimum of research methods.

Unsatisfactory («2») - the student correctly answered 50% of the A format tests. During his/her answer and demonstration of practical skills, he/she makes significant, major mistakes.

The assessment of students' independent work in preparation for classroom practical classes is carried out during the current control of the topic in the relevant classroom.



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The assessment system and requirements

The semester credit is assessed according to a two-point scale (passed / failed) and a 200-point scale by determining the arithmetic mean of current grades for each practical lesson according to a 4-point scale and its subsequent conversion into points of the 200-point scale. The minimum number of points that an applicant must score is 120.

The final control of students' knowledge in the discipline "Internal Medicine (including endocrinology)" is carried out in the form of a differential test. The differentiated test in the discipline is conducted in the form of an oral examination in accordance with the questions of the differential test.

<https://ie.u.edu.ua/docs/rate-of-study.pdf>

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Conditions on excess to final control

Students who have completed all types of work, tasks included in the curriculum for the semester in accordance with the discipline, who attended all classes contained in the curriculum, written and provided a medical record and have an average score for current educational activities of at least "3" are considered to be acceptable for semester final control. "(72 points on a 120-point scale).

<https://ie.u.edu.ua/docs/rate-of-study.pdf>

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Discipline policy

While teaching and learning the course, all lecturers and students comply with the policy of academic integrity, intolerance to violations of medical and human deontology and ethics. The examination of patients at clinical bases of the Department corresponds to the principles of the World Medical Association Declaration of Helsinki regarding ethical principles of carrying out scientific medical research involving people (1964, 2004, 2013) and Orders of the Ministry of Health of Ukraine No. 690 (2009), No. 944 (2009) and No. 616 (2012).

For students:

- to eliminate the possibility to use mobile phones, tablets or any other mobile devices during the class, to prevent cheating and plagiarism;
- students should not miss lectures and practical training, should inform the dean's office of absence for valid reasons in order to obtain the permit to make up missed classes; coming late is undesirable;
- to ensure cooperation between the lecturer and students and adhere to the principle of solidarity while learning the discipline;
- to address the lecturer regarding the assistance in organization and consultation on scientific, exploration and research activities;
- to take part in scientific groups;
- topics of the academic discipline are considered from the perspective of their practical application and bioethical capability;
- to wear doctor's gowns during classes.

For lecturers:

- fulfillment of the syllabus is obligatory;
- coming late to lectures, seminars and practical training is not allowed;
- the discipline policy implies objective assessment of knowledge and skills;
- any forms of corruption activities are forbidden;
- prejudiced attitude and discrimination regardless of the race, ethnic origin and religious beliefs are not allowed.



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Absence and Post-Deadline Tasks Policy

A student who, for valid documented reasons, was not subject to the current control, has the right to pass the current control within two weeks after returning to study.

A student who was absent from classes without a clear reason, did not participate in current control activities, did not eliminate his/ her academic debt, is considered to be acceptable for the final semester control of knowledge in this discipline, and on the day of the exam, a scientific and pedagogical worker gives the mark "rejected" in the examination record. Repeated differential test in the discipline is appointed subject to the implementation of all types of educational, independent (individual) work provided by the working curriculum of the discipline and is carried out in accordance with the schedule for the elimination of academic debts approved by the directorate.

<https://ie.u.edu.ua/docs/050.pdf>

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The policy of academic integrity

Participants in the educational process are guided by the principles of academic integrity

<https://ie.u.edu.ua/docs/011.pdf>

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Recommended sources of information

Basic literature:

1. Internal diseases. In 2 vols. Vol. 1 / LV Glushko, SV Fedorov, IM Skripnik, MM Ostrovsky / Ed. prof. Л.В.Глушка. - К .: ВСВ «Медицина», 2019. - 680 с.
2. Internal Medicine: A textbook based on the principles of evidence-based medicine 2018/19 / Project Manager Alexandra Kubets, ch. ed. Adriana Yaremchuk-Kochmarik, Anatoliy Svintsytsky; lane. from Polish. - Krakow: Practical Medicine, 2018. - 1632 p.
3. Gastroenterology. Textbook: In 2 T. -Vol.1 / ed. Prof. NV Kharchenko., O.Ya. Babaka. - Кировоград: Поліум, 2016. - 488 с.
4. Gastroenterology. Textbook: In 2 T. -Vol.2 / ed. Prof. NV Kharchenko., O.Ya. Babaka, 2017. - 432 p.
5. Order of the Ministry of Health of Ukraine dated 02.11.2015 №709 "On approval and implementation of medical and technological documents for standardization of medical care for iron deficiency anemia". Unified clinical protocol of primary and secondary (specialized) medical care "Iron deficiency anemia".
6. Order of the Ministry of Health of Ukraine dated 02.11.2015 №710 "On approval and implementation of medical and technological documents for the standardization of medical care for multiple myeloma". Unified clinical protocol of primary, secondary (specialized), tertiary (highly specialized) medical care "Multiple myeloma".
7. Order of the Ministry of Health of Ukraine dated 02.11.2015 №711 "On approval and implementation of medical and technological documents for the standardization of medical care for chronic myeloid leukemia." Unified clinical protocol of primary, secondary (specialized), tertiary (highly specialized) medical care "Chronic myeloid leukemia".
8. Order of the Ministry of Health of Ukraine dated 11.02.2016 №90 "On approval and implementation of medical and technological documents for the standardization of medical care for inflammatory bowel disease." Unified clinical protocol of primary, secondary (specialized), tertiary (highly specialized) medical care "Inflammatory bowel disease (Crohn's disease, ulcerative colitis)".
9. Order of the Ministry of Health of Ukraine dated 12.05.2016 №439 "On approval and implementation of medical and technological documents for the standardization of medical care for chronic lymphoid leukemia." Unified clinical protocol of primary, secondary (specialized), tertiary (highly specialized) medical care "Chronic lymphoid leukemia".



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Recommended sources of information

10. Order of the Ministry of Health of Ukraine dated 21.06.2016 №613 "On approval and implementation of medical and technological documents for standardization of medical care for viral hepatitis B". Unified clinical protocol of primary, secondary (specialized) medical, tertiary (highly specialized) care "Viral hepatitis B in adults".
11. Order of the Ministry of Health of Ukraine dated 18.07.2016 №729 "On approval and implementation of medical and technological documents for standardization of medical care for viral hepatitis C". Unified clinical protocol of primary, secondary (specialized) medical, tertiary (highly specialized) care "Viral hepatitis C in adults".
12. Order of the Ministry of Health of Ukraine dated 05.06.2019 № 1269 "On approval and implementation of medical and technological documents for standardization of emergency medical care" Emergency medical care: pre-hospital stage. New clinical protocol.
13. Svintsitsky A. Methods of diagnosis in the clinic of internal medicine / Medicine, 2019. - 1008 p.
14. Unified protocol for providing medical care to adult patients with community-acquired pneumonia. Nosocomial pneumonia in adults: etiology, pathogenesis, classification, diagnosis, antibacterial therapy and prevention. - Kyiv, National Academy of Medical Sciences of Ukraine - 2016.

Auxiliary:

1. Algorithms in the practice of gastroenterologist / Edited by O. Babak. - Kyiv: LLC "Library of Health of Ukraine", 2015. - 162 p.
2. Gubergritz NB, Kharchenko NV Chronic hepatitis and liver cirrhosis: textbook. manual. for order. prof. N.B. Gubergritz, NV Kharchenko.- Kirovograd: Polyum. - 2015. - 343 p.
3. Classification of diseases of the digestive system: a guide / edited by NV Харченко / О.Я. Babak, O.A. Голубовська, Н.Б. Hubergritz, A.E. Dorofeev, TD Zvyagintseva, IM Skripnik, S.M. Weaver, G.D. Fadeenko, NV Харченко, М.Б. Shcherbinina - Kirovograd: PE "Polyum", 2015. - 54 p.
4. Davidson's Principles and Practice of Medicine 23rd Edition. Editors: Stuart Ralston, Ian Penman, Mark Strachan Richard Hobson. Elsevier. - 2018. - 1440p.
5. Internal medicine: Part 1: textbook for Englishspeaking students of higher medical schools / edited by Professor M.A. Stanislavchuk and professor VK Sierkova. - Vinnytsya: Nova Knyha, 2019. - 408 p.
6. medicine: Part 2: textbook for Englishspeaking students of higher medical schools / edited by Professor M.A. Stanislavchuk and professor VK Sierkova. - Vinnytsya: Nova Knyha, 2019. - 360 p.
7. USMLE Step 2 CK Lecture Notes 2017: InternalMedicine (KaplanTestPrep). - 2016. - Published by Kaplan Medical. - 474 pages

Information resources

https://dec.gov.ua/cat_mtd/galuzevi-standarti-ta-klinichni-nastanovi/

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Tips for successful learning on the course

If you want to be successful in this discipline, you need to be a student who:

- attends classes, works hard, is confident, conscious, creative and active;
- communicates with a teacher on all issues of the curriculum;
- fulfills tasks according to the program;
- writes abstracts on program topics;
- discusses topics and tasks in groups during extracurricular time;
- uses Internet resources.

We wish you perseverance, determination and motivation to learn. And then success will come to you!

See you in class!

Don't forget medical gowns!