

«PROPEDEUTICS OF INTERNAL DISEASES»
for the specialty 1-79-01 01 «INTERNAL MEDICINE»

Amendments and changes		Basis/Reason
1. Changes have been introduced into the educational discipline curricular chart (Appendix 1)		Educational Plan for 2021/2022 academic year
2. The following sections have been added to the information and methodological part: MAIN FORMS OF SUPERVISED STUDENT INDEPENDENT WORK: <ul style="list-style-type: none">- independent work with the workbook "Diagnostic methods in the Internal Medicine".- Control of supervised student independent work is carried out in the forms of:<ul style="list-style-type: none">- checking of the workbook, discussion of conclusions on the laboratory tests, electrocardiograms, X-rays.		Educational Plan for 2021/2022 academic year
3. Topic 1.1. is done as follows: "Introduction. Short history of the Internal Medicine. Medical Ethics and Deontology. Code of Professional Ethics for Physicians. Doctor's responsibility. The order of therapeutic department work in hospital."		Order No. 171 of 22.03.2021 "On strengthening educational and preventive work"
4. Topic 1.2. is done as follows "Examination methods of patients in Internal Medicine. Case history scheme."		
5. The literature has been updated		

The curriculum is revised and approved at the department meeting (Propedeutics of Internal Diseases Department)
Protocol #11 of 21.06.2021

Head of the Department
M.D., Professor

E.A. Dotsenko

APPROVED

Dean of the Medical Faculty
of the International Students
PhD, Associate Professor

O.S. Ishutin

APPENDIX 1

EDUCATIONAL DISCIPLINE CURRICULAR CHART “PROPEDEUTICS OF INTERNAL DISEASES”

EDUCATIONAL DISCIPLINE CURRICULAR CHART

Section, topic #	Section (topic) name	number of hours			Self-studies	Equipment	Form of control
		lectures	practical	supervised self-study			
	4th term	14	16	2	16		
1	General Propaedeutic (semiology)						
1.1	Introduction. Short history of the Internal Medicine. Medical Ethics and Deontology. Code of Professional Ethics for Physicians. Doctor's responsibility. The order of the therapeutic department work in hospital.	2	2	-	-	Computer, laptop, video projector, audio and video recordings	Interviews, electronic tests
1.2	Examination methods of patients in Internal Medicine. Case history scheme.	2	2	-	2	Computer, laptop, video projector, audio and video recordings	Interviews, electronic tests
1.3	Subjective examination method	2	2	-	4	Computer, laptop, video projector, audio and video recordings	Interviews, case study, electronic tests
1.4	General inspection of the patient in Internal Medicine. Examination of separate parts of human body.	2	2	-	2	Computer, laptop, video projector, audio and video recordings	Interviews, case study, electronic tests
1.5	Objective examination methods in Internal Medicine (palpation, percussion, auscultation).	2	2	-	2	Computer, laptop, video projector, audio and video recordings	Interviews, case study, electronic tests
1.6	Laboratory examination methods in Internal Medicine. Laboratory examinations of patient in case of internal diseases. Methods of laboratory tests: complete blood	1	2	1	2	Computer, laptop, video projector, audio and video recordings.	Interviews, case study, electronic tests, checking of the workbook,

	count and biochemical blood test; urinalysis, examinations of sputum and pleural fluid.					workbook	discussion on the laboratory tests
1.7	Instrumental diagnostic tests in Internal Medicine.	2	2	-	2	Computer, laptop, video projector, audio and video recordings	Interviews, case study, electronic tests
1.8	Technique of ECG recording and algorithm of normal ECG interpretation.	1	2	1	2	Electrocardiograph, workbook	Interviews, electronic tests, checking of the workbook, discussion on the ECG
	5th term	5	66	5	80		
1.9	Examination of the patients with respiratory diseases. Subjective examination of patients with respiratory diseases (inquiry). Objective examination of patients with respiratory diseases: general inspection, visual examination and palpation of the chest.	-	3,5	-	4	Computer, laptop, video projector, audio and video recordings, negatoscope, workbook	Interviews, case study, electronic tests, practical skills assessment
1.10	Objective examination of patients with respiratory diseases: percussion and auscultation of lungs. Laboratory and instrumental tests in respiratory diseases.	0,5	3,5	0,5	5	Computer, laptop, video projector, audio and video recordings, negatoscope, workbook	Interviews, case study, electronic tests, checking of the workbook, discussion on the laboratory tests and X-ray
1.11	Main clinical syndromes in case of respiratory diseases	0,5	3,5	0,5	4	Computer, laptop, video projector, audio and video recordings, negatoscope, workbook	Interviews, case study, electronic tests, checking of the workbook, discussion on the laboratory tests and X-ray
1.12	Assessment of patients of patients with respiratory diseases. Practical skills training.	-	3,5	-	4		Educational case history fragment presentation, practical skills assessment.
1.13	Examination of the patients with cardiovascular diseases. Subjective examination of the patients with cardiovascular diseases (inquiry). Objective examination: general survey, inspection of the heart area and peripheral vessels area, palpation of the heart	-	3,5	-	4	Computer, laptop, video projector, audio and video recordings, electrocardiograph	Interviews, case study, electronic tests, practical skills assessment,

	area, examination of the arterial and venous pulse. Blood pressure measurement. Percussion of the heart.						
1.14	Objective examination of patients with cardiovascular diseases, auscultation of the heart. Laboratory and instrumental tests in cardiovascular diseases.	0,5	3,5	0,5	4	Computer, laptop, video projector, audio and video recordings, workbook	Interviews, case study, electronic tests, checking of the workbook, discussion on the ECG and X-ray
1.15	Main clinical syndromes in cardiovascular diseases.	0,5	3,5	0,5	4	Computer, laptop, video projector, audio and video recordings, workbook	Interviews, case study, electronic tests, checking of the workbook, discussion on the ECG and X-ray
1.16	Clinical and electrocardiographic signs of the hypertrophy of atria and ventricles.	-	3,5	-	5	Electrocardiograph, workbook	Interviews, case study, electronic tests, ECG interpretation
1.17	Clinical and electrocardiographic signs of cardiac arrhythmias and conduction disorders.	-	3,5	-	5	Electrocardiograph, workbook	Interviews, case study, electronic tests, ECG interpretation
1.18	Assessment of patients with cardiovascular diseases. Practical skills training.	-	3,5	-	4		Educational case history fragment presentation, practical skills assessment
1.19	Subjective and objective examination of patients with stomach and bowel diseases. Superficial and deep palpation of abdomen. Laboratory and instrumental examination tests, the main syndromes of stomach and bowel diseases.	0,5	3,5	0,5	4	Computer, laptop, video projector, audio and video recordings, workbook	Interviews, case study, electronic tests, practical skills assessment, checking of the workbook, discussion on the laboratory tests
1.20	Subjective and objective examination of patients with liver and bile duct diseases. Laboratory and instrumental tests, the main clinical syndromes of liver and bile duct diseases.	0,5	3,5	0,5	4	Computer, laptop, video projector, audio and video recordings, workbook	Interviews, case study, electronic tests, practical skills assessment, checking of the workbook, discussion on the laboratory tests
1.21	Assessment of patients with diseases of the digestive system. Practical skills training.		3,5	-	4		Educational case history fragment presentation.

							practical skills assessment
1.22	Subjective and objective examination of patients with urinary diseases.	-	3.5	-	4	Computer, laptop, video projector, audio and video recordings	Interviews, electronic tests, discussion on laboratory tests
1.23	Laboratory and instrumental tests, main clinical syndromes in case of urinary diseases. Practical skills training.	0.5	3.5	0.5	5	Computer, laptop, video projector, audio and video recordings, workbook	Interviews, case study, electronic tests, practical skills assessment, checking of the workbook, discussion on the laboratory tests
1.24	Subjective and objective examination of patients with blood diseases. Laboratory and instrumental tests, main clinical syndromes in case of blood diseases.	0.5	3.5	0.5	4	Computer, laptop, video projector, audio and video recordings, workbook	Interviews, case study, electronic tests, practical skills assessment, checking of the workbook, discussion on the laboratory tests
1.25	Subjective and objective examination of patients with the thyroid gland diseases and diabetes mellitus. Laboratory and instrumental tests, main clinical syndromes.	0.5	3.5	0.5	4	Computer, laptop, video projector, audio and video recordings, workbook	Interviews, case study, electronic tests, checking of the workbook, discussion on the laboratory tests
1.26	Subjective and objective examination of patients with diseases of joints. Laboratory and instrumental tests. Main clinical syndromes.	0.5	3.5	0.5	4	Computer, laptop, video projector, audio and video recordings, workbook	Interviews, case study, electronic tests, checking of the workbook, discussion on the laboratory tests
1.27	Practical skills checking. Final class.	-	3.0	-	4		practical skills assessment
	6th term	8	48	8	80		
	Special Propaedeutics (special pathology)						
2.1	Bronchial asthma, chronic obstructive pulmonary disease: symptoms, diagnosis, principles of treatment and prevention.	0.5	3	0.5	6	Computer, laptop, video projector, audio and video recordings, negatoscope, workbook	Interviews, case study, electronic tests, checking of the workbook, discussion on the laboratory test and X-ray

2.2	Pneumonia, pleurisy, acute and chronic respiratory failure. Symptoms, diagnosis, principles of treatment and prevention. First aid in case of acute respiratory failure.	0,5	3	0,5	6	Computer, laptop, video projector, audio and video recordings, negatoscope, workbook	Interviews, case study, electronic tests, checking of the workbook, discussion on the laboratory test and X-ray
2.3	Acute rheumatic fever, mitral valve diseases: symptoms, diagnosis, principles of treatment and prevention.	0,5	3	0,5	5	Computer, laptop, video projector, audio and video recordings, workbook	Interviews, case study, electronic tests, checking of the workbook, discussion on the ECG
2.4	Infective endocarditis, aortic valve diseases: symptoms, diagnosis, principles of treatment and prevention.	0,5	3	0,5	5	Computer, laptop, video projector, audio and video recordings, workbook	Interviews, case study, electronic tests, checking of the workbook, discussion on the ECG
2.5	Concept of the atherosclerosis. Ischemic (coronary) heart disease: angina pectoris, myocardial infarction. Symptoms, diagnosis, principles of treatment and prevention. First aid in case of angina pectoris attack (pain control in case of angina attack).	1	3	1	7	Computer, laptop, video projector, audio and video recordings, workbook	Interviews, case study, electronic tests, checking of the workbook, discussion on the ECG
2.6	Arterial hypertension: symptoms, diagnosis, principles of treatment and prevention. First aid in case of hypertensive crisis.	0,5	3	0,5	4	Computer, laptop, video projector, audio and video recordings, workbook	Interviews, case study, electronic tests, checking of the workbook, discussion on the ECG
2.7	Heart failure, vascular insufficiency: symptoms, diagnosis, principles of treatment and prevention. First aid in case of syncope.	0,5	3	0,5	4	Computer, laptop, video projector, audio and video recordings, workbook	Interviews, case study, electronic tests, checking of the workbook, discussion on the ECG
2.8	Stomach and bowel diseases (acute and chronic gastritis; stomach ulcer and duodenum ulcer; irritable bowel syndrome): symptoms, diagnosis, principles of treatment and prevention. First aid in case of stomach bleeding.	0,5	3	0,5	5	Computer, laptop, video projector, audio and video recordings, workbook	Interviews, case study, electronic tests, checking of the workbook, discussion on the laboratory tests
2.9	Liver and gallbladder diseases, acute and chronic liver failure: symptoms, diagnosis, principles of treatment and prevention.	0,5	3	0,5	5	Computer, laptop, video projector, audio and video recordings, workbook	Interviews, case study, electronic tests, checking of the workbook, discussion on the ECG

2.10	Acute and chronic glomerulonephritis, pyelonephritis, acute renal injury, chronic kidney disease: symptoms, diagnosis, principles of treatment and prevention.	1	3	1	5	Computer, laptop, video projector, audio and video recordings, workbook	Interviews, case study, electronic tests, checking of the workbook, discussion on the laboratory tests
2.11	Acute allergic diseases: symptoms, diagnosis, principles of treatment and prevention. First aid in case of anaphylactic shock.	1	3	1	4	Computer, laptop, video projector, audio and video recordings, workbook	Interviews, case study, electronic tests, checking of the workbook, discussion on the laboratory tests
2.12	Blood diseases (anemias, leukemias): symptoms, diagnosis, principles of treatment and prevention.	1	3	1	5	Computer, laptop, video projector, audio and video recordings, workbook	Interviews, case study, electronic tests, checking of the workbook, discussion on the laboratory tests
2.13	Diabetes mellitus, thyroid gland diseases: symptoms, diagnosis, principles of treatment and prevention. First aid in case of hyperglycemic (diabetic ketoacidosis) and hypoglycemic coma.	-	3	-	5	Computer, laptop, video projector, audio and video recordings	Interviews, case study, electronic tests, laboratory tests interpretation
2.14	Rheumatoid arthritis, reactive arthritis and osteoarthritis: symptoms, diagnosis, principles of treatment and prevention.	-	3	-	5	Computer, laptop, video projector, audio and video recordings,	Interviews, case study, electronic tests, discussion on the laboratory tests
2.15	Assessment of patients with internal diseases. Educational case history writing.	-	3	-	5		Educational case history presentation
2.16	Practical skills checking. Final class.	-	3	-	4		Practical skills assessment

Head of the Department
M.D., Professor

E.A. Dotsenko