

**SPECIALIST DEGREE PROGRAMME 31.05.01 'GENERAL MEDICINE'**

**COURSE (MODULE) «Internal diseases propedeutics»**

**OVERVIEW**

Mode of study	full time	
Faculty	International Institute of Medical Education and Cooperation	
Department	Internal diseases propedeutics	
Year	2,3	
Semester –	3, 4, 5 – (360 ac.h.)	*ac. h. – academic hours
Lectures –	48 ac.h.	
Exam –	5 semester 36 ac.h	
Practical classes	168 ac.h	
Self-study	108 ac.h	
Total workload	360 ac.h (10 credits)	

**1. THE COURSE AIM AND SCOPE**

- The familiarization of students with up-to date methods of the investigation of a therapeutic patient for the formation of their competencies in the systemic fundamental knowledge, skills and abilities of diagnosing diseases of internal organs
- The formation of students' skills and abilities to recognize the symptomatology of diseases most commonly encountered in the practice of a doctor
- The nurturing the skills of the logic of clinical thinking, communication with patients and colleagues, taking into account the principles of medical ethics and deontology

**The course focuses on**

- terminology, methodological principles and basic areas of internal medicine....
- the study of general clinical methods for examining a therapeutic patient
- the learning to recognize various symptoms of diseases of internal organs, understanding their origin
- the familiarization with the main laboratory and instrumental methods for examining a patient with a therapeutic profile
- the formation of ideas about the principles of a syndromic diagnosis, the ability to justify it
- the acquaintance with the main nosological forms of diseases with the allocation of syndromes in them, the principles of prevention and treatment for the most common diseases

**2. THE COURSE POSITION IN SPECIALIST DEGREE PROGRAMME 31.05.01 'GENERAL MEDICINE'**

The course «Internal diseases propedeutics» is taught in the block of professional subjects of 'General Medicine'

*The background knowledge for the course has been taught in at basic subjects: Physics, Mathematics, Biochemistry, Normal physiology, Human anatomy.*

The mastering the internal diseases propedeutics is necessary for the development of the following disciplines: faculty therapy, occupational diseases; hospital therapy, endocrinology; infectious diseases; phthisiology; outpatient therapy; anesthesiology, reanimatology, intensive care; faculty surgery, urology; traumatology, orthopedics; infectious diseases, parasitology; neurology, medical genetics, neurosurgery; oncology, radiation therapy.

### 3. OUTCOME COMPETENCIES OF THE COURSE

On completing the course a student is expected to

#### 1. know:

- main clinical symptoms and syndromes of diseases of internal organs and the mechanism of their occurrence;
- symptomatology of the most common diseases of internal organs that occur in a typical classical form;
- diagnostic value of general clinical laboratory and instrumental research methods
- basic principles of treatment and prevention of the most common therapeutic diseases

#### 2. to be able:

- to conduct a questioning of the patient (and / or) relatives and obtain complete information about the disease, identifying possible causes of its occurrence in typical cases;
- conduct a physical examination of the patient (examination, palpation, percussion, auscultation, blood pressure measurement, determination of the properties of the arterial pulse) and identify objective signs of the disease;
- draw up a plan for an additional examination of the patient;
- independently diagnose the main clinical pathological syndromes and substantiate this diagnosis;
- evaluate the results of a general analysis of blood, urine, sputum, feces, biochemical analysis of blood, spirometry

#### 3. to provide:

- methods of general clinical examination;
- interpretation of the results of laboratory and instrumental diagnostic methods;
- proper maintenance of medical records;

Learning outcomes	Competency description of threshold level	Competency developed: a (compulsory)	Competency code
1	2		3
<b>General cultural competences (GCC)</b>			
<b>A student knows</b> rules of teamwork in various types of professional and social activities <b>A student is able</b> to work in a team, tolerate social, ethnic, religious and cultural differences in various types of professional and social activities <b>A students provides</b> communication methods for effective work in a team, tolerant perception of social, ethnic, religious and cultural differences in various types of professional and social activities	Readiness to work in a team, tolerantly perceive social, ethnic, confessional and cultural differences		GCC-8
<b>General Professional Competencies (GPC)</b>			
<b>A student knows</b> the ethical aspects of	The ability and readiness to implement		GPS -4

<p>medical activity; deontological principles of medical activity.</p> <p><b>A student is able</b> to build communication with colleagues in accordance with ethical and deontological standards; to build communication with nurses in accordance with ethical and deontological standards; build communication with patients in accordance with ethical and deontological standards; to build communication with relatives of patients in accordance with ethical and deontological standards.</p> <p><b>A students provides</b> skills of interaction with colleagues, middle and junior medical personnel, adults, adolescents, their parents and relatives in accordance with existing standards of deontology.</p>	<p>ethical and deontological principles in professional activities</p>	
<p><b>A student knows</b> structure and rules for reporting the results of an initial examination of a therapeutic patient</p> <p><b>A student is able</b> to formulate the results of an initial examination of a therapeutic patient</p> <p><b>A students provides</b> skills in formulating the results of an initial examination of a therapeutic patient</p>	<p>Readiness to keep medical records</p>	<p>GPS-6</p>
<p><b>Professional competencies (PC)</b></p>		
	<p><i>medical activities</i></p>	
<p><b>A student knows</b> the main clinical symptoms and syndromes of diseases of internal organs and the mechanism of their occurrence; diagnostic significance of general clinical laboratory and instrumental research methods</p> <p><b>A student is able</b> to conduct a questioning of the patient (and / or) relatives, identifying possible causes of its occurrence in typical cases; conduct a physical examination of the patient and identify objective signs of the disease; make a plan for an additional study of the patient; independently diagnose the main clinical pathological syndromes and</p>	<p>Readiness to collect and analyze patients complaints, their medical history, examination results, laboratory, instrumental, pathological and other studies in order to recognize the condition or establish whether the disease is present or not</p>	<p>PC-5</p>

<p>substantiate this diagnosis; interpret the results of spirometry; evaluate the results of a general analysis of blood, urine, sputum, feces, as well as a biochemical blood test; be able to present the results of the examination of the patient orally and in writing</p> <p><b>A students provides</b> methods of general clinical examination, interpretation of the results of laboratory and instrumental diagnostic methods, the correct filling of medical documentation.</p>		
<p><b>A student knows</b> diagnostic methods; diagnostic capabilities of methods for direct investigation of a therapeutic profile; up-to-date methods of primary general clinical, laboratory, instrumental examination of patients.</p> <p><b>A student is able</b> to determine the status of the patient: collect an anamnesis; conduct a survey of the patient and / or his relatives; conduct a physical examination of the patient; conduct an initial examination of systems and organs: endocrine, respiratory, cardiovascular systems, blood and blood-forming organs, digestive, urinary, musculoskeletal systems and joints; identify the leading clinical syndrome and be able to justify it; fill in the history of the disease.</p> <p><b>A students provides</b> general clinical examination methods; interpretation of the results of laboratory, instrumental diagnostic methods; an algorithm for identifying the leading syndrome; proper maintenance of medical documentation.</p>	<p>It is capable of determining the patient's main pathological conditions, symptoms, disease syndromes</p>	<p>PC-6</p>

#### 4. THE COURSE (MODULE) «Internal diseases propedeutics» SYLLABUS AND CONTENTS

##### 4.1 Total workload are 10 credits (360 ac.h.)

№	Part (Module)	Semester	Week of the semester	Study forms (including self-study and workload in ac.h.)				Formative assessment (weekly)
				Lectures	Practical classes	Seminars	Self-study	Summative assessment (by semesters)
1	Introduction to the subject. Questioning and examination as methods of investigation	3	1-2	2	9	-	5,5	1 week IC, CC 2 week IC, CC
2	Methods of investigation of respiratory system	3	3-7	8	27	-	17,5	3 week IC, CC 4 week IC, CC 5 week IC, CC 6 week A Moodle CC. 7 week Patient's history, T, C
3	Methods of investigation of cardiovascular system	3	8-14	10	36	-	23,0	8 week IC, CC 9 week IC, CC 10 week IC, CC 11 week IC, CC 12 week. A Moodle CC; IC 13 week IC, CC Patient's history 14 week T, C
4	Methods of investigation of digestive system	3/4	15-16/ 1-5	6	30	-	18	15 week IC, CC 16 week Moodle CC, A 1 week IC, CC 2 week IC, CC 3 week Moodle CC; A 4 week IC, CC Patient's history 5 week T, A
5.	Methods of investigation of	4	6-8	4	12	-		6 week IC, CC 7 week Moodle CC;

	urinary system							IC, CC 8 week T, A, C
6.	Methods of investigation of hematopoietic system	5	1-2	4	9	-	6,5	1 week IC, CC 2 week Moodle CC; T, C, A
7.	Methods of investigation of endocrine system	5	3-4	2	6	-	4,0	3 week IC, CC 4 week A, T, C
8.	The symptomatology of respiratory diseases	5	5-6	4	6	-	6,0	5 week IC, CC 6 week IC, CC
9.	The symptomatology of cardiovascular diseases	5	7-9	2	9	-	5,5	7 week IC, CC 8 week IC, CC 9 week IC, CC
10	The symptomatology of digestive diseases	5	10-12	4	9	-	5,5	10 week IC, CC 11 week IC, CC 12 week IC, CC
11	The final history of the disease	5	13	-	6	-	3,0	13 week Moodle, CC, Final patient's history
12	The symptomatology of urinary and hematopoietic diseases	5	14-15	2	6	-	4,0	14 week IC, CC 15 week IC, CC
13	The final test control	5	16	-	3	-	1,5	16 week T

	<b>Total, h.</b>			<b>48</b>	<b>168</b>	<b>-</b>	<b>108</b>	
	<b>Exam, h.</b>						<b>36</b>	
	<b>Total, h. 360</b>			<b>48</b>	<b>168</b>		<b>144</b>	

**Q - Questions , T –Test , C – Cases, A – Algorythms of performance**  
**Incoming control (IC), Current control (CC)**

Head of the Department internal diseases propedeutics,  
Professor Vasilieva L.V.

