

**National Pirogov Memorial Medical University, Vinnytsya**

**“APROVE ”**

Vice - Rector for Academic Affairs  
prof. Y.I. Guminskiy



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“ 28 ” August 2020 year

**“ AGREED ”**

Head of the department  
of Internal and family medicine  
prof. Paliy I.G.



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“ 28 ” August 2020 year

**SYLLABUS  
of academic discipline**

**“Actual issues of Gastroenterology”**

Specialty	222 Medicine
Educational level	the second (master`s) level
Educational program	EPP Medicine, 2020
Academic year	2020-2021
Department	Internal and Family Medicine
Contact information	<i>Department of Internal and Family Medicine, intmed@vnmua.edu.ua.</i>
Syllabus compilers	associate prof. Melashchenko S. H., associate prof. Fedzhaga I.V., assistant prof. Ksenchyn O.O.

## 1. Status and structure of the discipline

Discipline status	Elective
Discipline code in EPP/discipline place in EPP	EC - 9, component of the cycle of professional training disciplines.
Course / semester	4 th year (VII-VIII semesters)
The amount of discipline (the total number of hours / number of credits ECTS)	45 hours / 1,5 credits ECTS
Number of content modules	1 module
The structure of the discipline	Practical classes 10 hours Independent work 35 hours
Language of study	English
Form of study	Full-time ( <i>or remote full-time by order</i> )

## 2. Description of the discipline

### Short annotation of the course, relevance.

The subject area of the discipline is to acquaint students with modern views on the main issues of gastroenterology, modern diagnostic techniques, etiological, pathogenetic and syndromic approach to treatment with differential diagnosis with other diseases and prevention of gastrointestinal pathology.

### Prerequisites

For successful mastering of discipline the student needs the knowledge received in the course of studying of the following disciplines of general preparation:

Latin language and medical terminology; normal and pathological human anatomy, histology, medical biology and genetics, medical and biological physics, medical chemistry, biological and bioorganic chemistry, microbiology, normal and pathological physiology, propaedeutics of internal and pediatric diseases, pharmacology.

### The purpose of the course and its significance for professional activities

The purpose of teaching the discipline "Actual issues of gastroenterology" is the formation of the ability to apply the acquired knowledge, skills, abilities and understanding for the solution of typical problems in the field of health care. The scope of their application is provided by certain lists of syndromes and symptoms of diseases that require special tactics of patients` management, laboratory and instrumental research, medical manipulations; formation of the ability to apply knowledge on internal organs` pathology in the process of further training and professional activity in accordance with the principles of evidence-based medicine.

### Postrequisites

### Learning outcomes. After successful study of the discipline the applicant will be able to:

1. Collect patient`s data on complaints, medical history, life history.
2. Conduct a physical examination of the patient, using standard algorithms for the investigation of the digestive system.
3. Classify and analyze the typical clinical picture;
4. Make a plan of examination and analyze the data of laboratory and instrumental examinations in the typical course of the disease;

5. Carry out differential diagnosis and make a preliminary diagnosis in the typical current of GIT diseases;
6. Demonstrate mastery of the principles of treatment (drug and non-drug) and prevention of diseases of the gastrointestinal tract;
7. Assess risk factors and disease prognosis;
8. Demonstrate mastery of moral and deontological principles of a medical specialist and the principles of professional subordination

### 3. Content and logistic of the discipline

Modul1 <b>Actual issues of gastroenterology</b>	VII or VIII semester 45 hours / 1,5 credits	Practical classes №№ 1-5
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The course contains 5 topics, which are included into 1 content module.

#### **Content module 1**

**Topic1.** Modern approaches to the management of patients with acid-related diseases.

**Topic 2.** Modern approaches to the management of patients with H-pylori-associated diseases.

**Topic 3** Modern approaches to the management of patients with functional pathology of GIT and chronic diarrhea.

**Topic 4** Modern approaches to the management of patients with jaundice and hepatic pathology.

**Topic5** Prevention in gastroenterology, diet therapy, gastroenterological aspects of obesity.

#### **Practical lessons provide an opportunity to master the basic theoretical concepts of the topics:**

1. Etiological and pathogenetic mechanisms of diseases of the gastrointestinal tract;
2. Classification of the most common diseases of the gastrointestinal tract;
3. Clinical features of the most common diseases of the gastrointestinal tract;
4. Complications of the most common diseases of the gastrointestinal tract;
5. Principles of diagnosis of the most common diseases of the gastrointestinal tract;
6. Algorithm of treatment and prevention of the most common diseases of the gastrointestinal tract;

#### **and mastering the following practical skills:**

1. Collection of patient's data on complaints, medical history, life history;

2. Carrying out a physical examination of the patient, using standard algorithms for the investigation of the digestive system;
3. Classifying and analyzing the typical clinical manifestations of disease ;
4. Making a plan of work-out and analyzing the results of laboratory and instrumental examinations in the typical current of the disease;
5. Making a differential and a preliminary diagnosis in case of the typical current of diseases of the gastrointestinal tract;
6. Getting mastery of the principles of treatment and prevention of diseases of the gastrointestinal tract;
7. Assess the prognosis of the disease;
8. Getting mastery of moral and deontological principles of a medical specialist and the principles of professional subordination.

During practical classes, students solve in writing situational problems with clinical cases with the establishment of a preliminary (clinical) diagnosis, definition of diagnostic and treatment tactics, prevention and routing of the patient, followed by discussion with the teacher. Availability of clinical and diagnostic gastroenterological laboratory of VNMU at our department provides an opportunity to visually mastering of the patient examination, also modern methods of diagnosis and controlled treatment of a wide range of common diseases of the digestive system during full-time classes. Each practical session is tested on the Microsoft Forms platform, followed by discussion of mistakes and assessment.

The student's independent work includes preparation for practical classes: reading the basic and additional recommended literature; search for on-line specialized resources with the presentation of modern research and treatment methods; viewing video resources with a demonstration of diagnostic methods; acquaintance with algorithms of patients management with the corresponding syndromes and self-assessment of the solution of typical situational problems and the solution of typical tests. Control of independent extracurricular work is carried out at practical classes.

Individual work includes the study of scientific literature, preparation of reviews on the topics provided for presentation at meetings of the student scientific circle, the implementation of scientific and practical research, participation in specialized competitions, scientific and practical conferences, competitions of student research works.

Class schedule, thematic and calendar plans of practical classes, plan of independent extracurricular work, volume and directions of individual work are published on the website of the department.

Route of receiving materials: Department of Internal and Family Medicine / Student / Full-time study / Medicine / 4th year / Educational and methodical materials. Access to materials is provided from the student's corporate account s000XXX@vnm.edu.ua.

## 5. Forms and methods of academic performance monitoring

Current control in practical studies	Methods: oral or written survey, testing, electronic survey, solving of situational tasks, interpreting of laboratory studies, interpreting them and evaluating their results, control of practical skills.
	Final control is not planned. The assessment of

Final control of the discipline - exam	students` performance on the discipline is defined as the average of current marks of educational activities (according to the provisions of the educational process organization the in VNMU ) (the link <a href="https://www.vnmu.edu.ua/Загальна information/Basic documents">https://www.vnmu.edu.ua/Загальна information/Basic documents</a> )
Learning performance diagnostic tools	Theoretical questions, tests, clinical situational tasks, practical tasks, demonstration of practical skills

## 6. Assessment criteria

Knowledge assessment is carried out in accordance with the Regulations of the Academic process in VNMU named after M.I. Pirogov (link link <https://www.vnmu.edu.ua/General information>)

Current assessment	On a four point system of traditional assessments: 5 «excellent», 4 «good», 3 «satisfactory», 2 «unsatisfactory»
Control of practical skills	According to the four-point system of traditional assessments
Credit	On a 200-point scale (the arithmetic mean of all lesson marks obtained in the semester is converted into points) Credited: 120 to 200 points Not credited: less than 120 points (See Grading Scale)
Discipline assessments:	It counts: from 120 to 200 points Individual work – from 1 to 12 points In total – from 120 to 200 points (not more then 200 points)

### Discipline Score Scale: National and ECTS

The sum of grades for all types of educational activities	Score ECTS	Score on a national scale	
		For exam, course project (work), practice	for credit test
180-200	<b>A</b>	excellent	credited
170-179,9	<b>B</b>	good	
160-169,9	<b>C</b>		
141-159,9	<b>D</b>	satisfactory	
122-140,99	<b>E</b>	satisfactory	-
120-140,99	<b>E</b>	-	credited
119-61	<b>FX</b>	unsatisfactory with the possibility of reassembly	is not credited with the possibility of reassembling
1-60	<b>F</b>	unsatisfactory with a mandatory reexamination of discipline	is not credited with mandatory reexamination of discipline

**Criteria for student knowledge assessment  
Assessment of oral / written response during the current assessment**

The grade "**excellent**" is given to a student who has deeply and comprehensively mastered the theoretical material, competently and logically reproduces it. He is fluent in Latin terminology, clearly answers non-standard questions on the topic of the lesson, is able to link the material of the topic with previously studied sections, which indicates knowledge of the recommended literature and the ability to analyze the material studied, and clearly demonstrates the importance of theoretical knowledge for practice.

The grade "**good**" is given to a student who knows and has a good theoretical material, teaches it correctly, does not allow inaccuracies in the answer, is able to reveal the topic from the standpoint of its medical significance and practical application, but the answers do not go beyond the textbook, guidelines.

A grade of "**satisfactory**" is given to a student who knows the basic concepts and definitions of the studied topic, but admits significant inaccuracies or has difficulty in formulating the answer, does not understand the medical aspects of the topic, can not relate theoretical material to practice.

The grade "**unsatisfactory**" is given to a student who does not know the theoretical foundations of the topic, makes gross mistakes in answering, does not understand the basic concepts and definitions, can not explain the importance of theoretical material for practical medicine.

#### **Assessment of practical skills during the current assessment**

The grade "**excellent**" is given to a student who knows the course and sequence of independent practical work to perform a practical tasks such as subjective and objective examination of the patient, show the ability for interpretation of the results of additional methods of examination, demonstrates the correct implementation of the necessary practical skills, and correctly formulates the syndrom and name possible of disiaes, which can be accompain by it.

A grade of "**good**" is given to a student who admits inaccuracies in the performance of practical skills, but is able to identify errors and can demonstrate the implementation of practical skills in general.

Assessment of "**satisfactory**" is given to a student who knows the basics of the practical task, but has difficulty during subjective and objective examination of the patient, show low ability for interpretation of the results of additional methods of examination, can not demonstrate the correct sequence of practical skills, can not fully interpret the results of additional methods of investigation.

The grade "**unsatisfactory**" is given to a student who cannot demonstrate the performance of practical skills, experiences significant difficulties in interpretation of the results of additional methods of examination, violates the procedure for performing of any practical work.

#### **Assessment of test tasks during the current assessment**

The grade "**excellent**" is given to the student who at carrying out test control is allowed no more than 10% of incorrect answers (volume of correct answers 90-100%). Provides correct answers to all test questions when solving clinically-oriented test tasks.

A grade of "**good**" is given to a student who makes no more than 20% of mistakes during the test. (volume of correct answers 80-89%). Provides correct answers to most test questions when solving clinical-oriented test tasks.

The grade "**satisfactory**" is given to a student who makes mistakes in no more than 40% of test tasks (the amount of correct answers is 60.5-79%). When solving clinically-oriented test tasks, it provides the correct answers to only some questions to the test.

A grade of "*unsatisfactory*" is given to a student who correctly solves less than 60% of the test tasks in a test survey. When solving clinical-oriented test tasks, he cannot provide the correct answers to the test questions.

### **Assessment of independent student work**

The student's independent work is evaluated during the current control of the discipline. The evaluation of the prepared messages is carried out according to the traditional evaluation.

The grade "*excellent*" is given to a student who has deeply and comprehensively revealed the problem, logically stated the main issues, and gave examples from modern medical information sources. He is able to connect the material of this topic with the previously studied sections, which indicates the ability to analyze the studied material, as well as clearly demonstrates the importance of the acquired theoretical knowledge for practical medicine.

The grade "*good*" is given to a student, who knows and is well versed in theoretical material, competently revealed the main issues of the topic and its medical significance, but did not go beyond the textbook, guidelines.

A grade of "*satisfactory*" is given to a student who has revealed the basic concepts and definitions of the recommended topic, but has not fully disclosed it, does not understand the medical aspects of the topic, cannot relate theoretical material to practice.

Assessment of independent work of students, which is provided in the topic along with the classroom work, is carried out in the relevant classes.

### **Assessment of individual student work**

Carried out on the basis of individual tasks, scientific and practical work, reports on research results at meetings of student scientific circles and student scientific conferences, writing scientific articles and abstracts based on scientific practical research or review of scientific sources on a particular scientific or practical problem, participation in the national competition of student scientific works. Points for individual tasks are awarded to the student only if they are successfully completed and defended.

Accruals of individual points are added to the assessment of the discipline on the basis of the Regulations on the organization of the educational process at Vinnytsia National Pyrogov memorial Medical University (Vinnytsia, 2020). However, the number of points for individual tasks for an applicant may not exceed 12 points per discipline, and the maximum amount of points that can be obtained by applicant for the discipline should not exceed 200 points.

**12 points** - for prizes at interuniversity competitions in the discipline and interuniversity and international (foreign) scientific student conferences with the availability of printed work;

**11-10 points** - for prizes at intra-university competitions in the discipline and scientific conferences with the availability of printed work;

**9 points** - for participation (if applicant participated, but did not receive a prize) in interuniversity competitions in the discipline and interuniversity and international (foreign) scientific conferences with the availability of printed work;

**8 points** - for participation (if applicant participated, but did not receive a prize) in intra-university competitions, scientific conferences of the institution with the presence of printed work.

**6 points** - for making diagrams, tables, slides for multimedia presentations and videos at the department - taking into account the importance of the work done.

## **7. Policy of discipline / course**

The student has the right to receive high-quality educational services, access to contemporary scientific and educational information, qualified tutoring during the study of discipline and mastering practical skills. The policy of the department during the providing of educational services is a student-centered, based on normative documents of the Ministry of Education and the Ministry of Health of Ukraine, the Statute of the University and the Procedure for the Providing of Educational Services regulated by the main principles of the organization of the educational process in National Pirogov Memorial Medical University and the principles of academic integrity (link <https://www.vnmdu.edu.ua/en/general-information>).

### **Adherence to the rules of VNMU, safety techniques in practical classes.**

Observance of the rules of the VNMU regulations, safety precautions at practical classes.

### **Requirements for preparation for practical classes.**

The student should be prepared for a practical lesson. A student should come to class on time, without delay. A student who is more than 10 minutes late is not allowed to the practical class and must work it in the prescribed manner. In practical classes, the student must be dressed in a work uniform (medical gown, hat). Students who do not have a work uniform are not allowed to practice. The student must follow the rules of safety in practical rooms and at the department. When discussing theoretical issues, students should demonstrate tolerance, courtesy and respect for their colleagues and the teacher; when performing practical tasks, the workplace should be kept in order and be cleaned after performing practical work.

**Usage of mobile phones and other electronic devices.** The use of mobile phones and other electronic devices in the classroom is allowed only during electronic testing or surveys.

**Academic integrity.** When studying the discipline, the student must be guided by the Code of Academic Integrity and Corporate Ethics of National Pirogov Memorial Medical University (link <https://www.vnmdu.edu.ua/en/general-information/> Code of Academic Integrity). In case of violation of the norms of academic integrity during the current and final controls student receives a grade of "2" and must work it out to his teacher in the prescribed manner within two weeks after receiving an unsatisfactory assessment).

**Missed classes.** Missed classes are working out in the manner prescribed by Regulations of the Academic processing National Pirogov Memorial Medical University ((link <https://www.vnmdu.edu.ua/en/general-information>) at the time of workout schedule (published on the website of the department <https://www.vnmdu.edu.ua/en/department/department/50>) to the teacher on duty. To complete the missed lesson, the student must solve a situational task with a clinical case on the relevant topic, take a test and answer questions in writing or orally on the topic of the lesson. In the case of remote training - you must first make an application in accordance with the requirements, which are also published on the website of the department along with the schedule of training.

**The procedure for admission to the discipline final control** is given in the Regulation of the Academic processing National Pirogov Memorial Medical University ((link <https://www.vnmdu.edu.ua/en/general-information>). The final control of mastering the material is carried out upon completion of the study of the topics of the credit module in the last lesson without allocating a separate lesson for credit. Assessment of student performance in the discipline is defined as the arithmetic mean of assessments of current learning activities (converted into points), which are exhibited at each lesson on the relevant topic. Students who do not miss missed practical classes and received an average traditional grade of at least "3" receive the test.

**Additional individual points.** Individual points in the discipline (from 6 to 12) the student can get for individual work, the amount of which is published on the website of the department in the teaching materials of the discipline, the number of points is determined by the results of individual work according to the Regulation of the Academic processing National Pirogov Memorial Medical University ((link <https://www.vnmdu.edu.ua/en/general-information>).

**Conflict resolution.** In case of misunderstandings and complaints to the teacher because of the quality of educational services, knowledge assessment and other conflict situations, student should submit his / her claims to the teacher. If the issue is not resolved, the student has a right to apply to the head of the department according to Complaints Consideration Procedure ([https://www.vnmdu.edu.ua/ General information / basic documents](https://www.vnmdu.edu.ua/General%20information%20-%20basic%20documents)).

**Politics in terms of remote learning.** Distance learning regulated by the Regulations of the elements of remote learning in VNMU named after Pirogov M.I. ([https://www.vnmdu.edu.ua/ General information](https://www.vnmdu.edu.ua/General%20information)). The main training platforms for studying are Microsoft Team and Google Meets. The procedure for conducting practical classes, practice and consultations during distance learning is published on the website of the department <https://www.vnmdu.edu.ua/en/department/department/50>.

Feedback from teachers is via messengers (Viber, Telegram, WhatsApp) or e-mail (at the teacher's choice) during working hours.

### 8. Educational resources

Educational and methodological support of the discipline is published on the website of the department (<https://www.vnmdu.edu.ua/en/department/department/50>). Consultations are hold twice a week according to the schedule.

**9. The time table and distribution of groups** with assigned teachers are published on the webpage of the department (<https://www.vnmdu.edu.ua/en/department/department/50>).

**10. The question to the final control** of the discipline is not provided, because there is no separate lesson for credit and assessment of student performance in the discipline is defined as the arithmetic mean of assessments of current educational activities.

The syllabus of the discipline "Actual issues of gastroenterology" was discussed and approved at the meeting of the department of internal and family medicine (record № 1, dated "27" August 2020)

Responsible for the academic discipline  Ass. prof. Fedzhaga I.V.

Head of the department  Prof. Paliy I.G.