

**Odessa National Medical University  
International Faculty  
Department of Internal Medicine #4**

**Course Syllabus  
Modern issues of rheumatic pathology**

Amount	135 hours / 4,5 credits
Semester, year of study	XI-XII semester, 6 <sup>th</sup> year of study
Days, time, place	Mo-Fr, 08:30-16:15, Department of internal medicine #4
Teacher (s)	Zolotareva Natalia Artemivna, Head of the Department, Prof., MD Evdokimova Tetyana Borysivna, Assoc. prof., Ph.D. Solomko Olena Volodymyrivna, assistant professor, Ph.D. Romanchenko Maksym Ihorovych, assistant professor, Ph.D. Panigrahi Pradosh Kumar, Assistant Professor, Ph.D. Selivanov Victor Vladimirovich, assistant, Ph.D. Medyanka Yuriy Stepanovych Assistant Professor, Ph.D. Volkov Petro Georgievich, assistant Telyatnikov Alexey Vladimirovich, assistant, Ph.D. Gorbenko Tetyana Mykolayivna, assistant professor, Ph.D. Kostyushov Victor Vladimirovich, assistant.
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Workplace	Military Medical Clinical Center of the Southern Region, Odessa, Pirogovskaya st., 2 WWII Regional Veteran's Hospital, Odessa, Fontanskaya road, 114,
Consultations	Daily, 16:15-18:00

**Communication**

The main part of the training will take place in person at the clinical bases of the department.

Remote communication will take place at:

- the official website of the department ([www.therapy.odmu.edu.ua](http://www.therapy.odmu.edu.ua));
- Microsoft Teams platform (<https://teams.microsoft.com/>);
- info-systems ONMedU (<https://info.odmu.edu.ua/>).

The main e-mail for communication is [max.romanchenko@onmedu.edu.ua](mailto:max.romanchenko@onmedu.edu.ua) (head teacher of the department, Romanchenko Maksym Ihorovych)

**During quarantine**, training will take place exclusively on the Microsoft Teams platform (<https://teams.microsoft.com/>)

## **Course abstract**

The cycle "Modern issues of rheumatic pathology" is based on the student's knowledge of propaedeutics of internal medicine, propaedeutics of other clinical disciplines (pediatrics, general surgery) and other basic subjects (medical biology, medical and biological physics, bioorganic and biological chemistry, histology, cytology, pathomorphology, physiology and pathophysiology, microbiology, virology and immunology, radiology) and combines these disciplines. Cycle provides:

1) knowledge on the etiology and pathogenesis, risk factors, classification and major clinical manifestations of rheumatic diseases;

2) knowledge about modern laboratory and instrumental methods for diagnosing rheumatic diseases.

3) training in modern methods of diagnosis and treatment of rheumatic diseases, based on the principles of evidence-based medicine, the algorithm of rational choice of treatment and prescription of drugs for rheumatic diseases.

The ultimate goals of studying the discipline "Modern issues of rheumatic pathology" are established on the basis of the educational and professional program for the preparation of masters in the specialty 222 "Medicine".

## **Expected results**

As a result of the successful completion of the discipline, the student will be able to:

- Conduct a survey of a patient with rheumatic disease, identify risk factors;
- Conduct a complete physical examination (examination, palpation, percussion, auscultation) with a detailed examination of the musculoskeletal system;
- Assess the patient's condition to decide on the amount and type of optimal medical care, formulate a preliminary diagnosis;
- Determine the required scope of examination taking into account modern standards, disease prognosis and the program of differential diagnosis of the disease;
- Interpret the results of the examination, formulate a clinical diagnosis;
- Develop a treatment plan taking into account the peculiarities of the disease and its previous treatment;

## **Course Description**

### **Forms and methods of teaching**

The course will be presented in the form of practical exercises (60 hours) and independent student work (75 hours).

The course "Modern issues of rheumatic pathology" includes the following topics:

1. The relevance of the study of rheumatic pathology. Prevalence of rheumatic pathology, risk factors. Modern classification of rheumatic diseases

2. Clinical study of the musculoskeletal system. Assessment of the severity of pain and functional status of the joints
3. Biochemical research methods in rheumatic diseases. Interpretation of test results, assessment of disease activity. Specific markers of systemic diseases.
4. Instrumental imaging methods in rheumatology. Indications, interpretation of results.
5. Additional research methods in rheumatology. Interpretation of the results of histological examination of biopsies. Methods of joint puncture. Interpretation of synovial fluid analysis results.
6. Evaluation of ECG and ECHO data in rheumatological patients.
7. Modern approaches to the treatment of rheumatic diseases from the standpoint of evidence-based medicine. The concept of basic therapy. The main groups
8. basic drugs.
9. Glucocorticoids in rheumatology. Rules of appointment and selection of adequate doses of glucocorticoids, rules of discontinuation of therapy. Methods of pulse therapy.
10. Nonsteroidal anti-inflammatory drugs in rheumatology. Indications, contraindications, principles of rational drug selection. Local therapy for rheumatic diseases.

### **Recommended reading:**

For successful training, you need the following set of basic literature:

1. Rheumatology [Text]: textbook. way. / VG Psareva, NM Kirichenko, OS Pogorelova [etc.]; for general ed. LN Attacks, GA Fadeeva. - Sumy: Sumy State University, 2019. - 235 p. - 175-80
2. Internal medicine: Rheumatology: a textbook (university of postgraduate education) / VE Kondratyuk, MB Juice. - К.: Медицина. 2017. - 272 p.
3. Diagnosis and treatment of rheumatic diseases: a textbook / A.S. Svintsitsky.- Kyiv: Medknyha Publishing House, 2017. – 372 p.
4. Perederiy VG Fundamentals of internal medicine: a textbook. Volume 2. Diseases of the circulatory system. Rheumatic diseases. Kidney disease. General issues of internal medicine / Perederiy VG, Tkach SM - Vinnytsia: New book. 2018. - 640 p.
5. Internal diseases: nat. textbook. in 2 parts. Part 1. Sections 1-8 / LV Glushko, SF Fedorov, IM Skrypnyk, MM Ostrovsky // ed. LV Glushka-K. : Medicine. 2019. - 680 p.

Additional teaching materials will be posted on the department page in the University information system ([https://info.odmu.edu.ua/chair/internal\\_medicine4/files](https://info.odmu.edu.ua/chair/internal_medicine4/files) )

A more complete list of textbooks, as well as a list of additional electronic resources, is available in the [work program for the discipline](#).

## **Evaluation**

### **Control forms:**

The assessment of current learning activities is standardized.

The student's current educational activity is assessed on a 4-point (traditional) scale, and includes such gradations: "excellent", "good", "satisfactory" and "unsatisfactory".

Evaluation of the educational activities of all students is not required at every practical and seminar lesson. However, in the practical lesson, at least 50% of students must be interviewed.

At the end of the study of the discipline, the current academic performance is calculated as the average score of all the marks received by the student on the traditional scale, rounded to 2 (two) decimal places.

### **Assessment of individual student assignments**

Grades for individual assignments are awarded to a student only if they are successfully completed and reported. The grade is added to current grades.

### **Assessment of students' independent work**

Independent work of students, which is provided by the topic of the lesson along with classroom work, is assessed during the current control of the topic in the corresponding lesson. The assimilation of topics that are taken out only for independent work is checked during the exam or differential credit.

### **Final Exam**

The exam is held at the end of the cycle and is also assessed on a 4-point (traditional) scale, including such gradations: "excellent", "good", "satisfactory" and "unsatisfactory". Only those students will be allowed to pass the exam who have no academic debts and have a grade average for current educational activity of at least 3,00 and have successfully passed control of practical skills physical examination of the patient and final KROK testing.

### **Final Discipline Evaluation**

Score on discipline is determined as the average of current educational activity (the mean current performance) and exam mark (traditional scale), which is acquired evaluating theoretical knowledge and practical skills according to lists defined in discipline program.

Thus evaluation of the discipline consists of two components:

- 50% - the current success (average of all student marks);
- 50% - the score on the exam

The department calculates and puts two marks in a final score chart:

1) Average of all current estimates (calculated as number with two decimals, for example, 4.76); 2) Traditional score on the exam (differentiated test). Of particular methodological importance is the question of converting the result of a student's discipline on a 200-point scale and further ranking on a rating scale (ECTS). This is necessary for the implementation of academic mobility of students, providing the student with the opportunity to continue their studies in this discipline in another university or in another country. The resulting average score for the discipline, multiplied by 40, allows conversion into an assessment on a 200-point scale..

National score	Points
«5»	185-200
«4»	151-184
«3»	120-150

## Course policy

The cycle "Modern issues of rheumatic pathology" in the sixth year is designed to learn to distinguish between complex diseases / syndromes and correctly prescribe examination and treatment; you should repeat all questions of etiology and pathogenesis the day before at home - this will not be discussed in class, but for not knowing this you will receive an unsatisfactory grade.

Every day you will have a new topic, and in order to prepare for it in the evening you will perform the SIW task ([https://info.odmu.edu.ua/chair/internal\\_medicine4/files](https://info.odmu.edu.ua/chair/internal_medicine4/files)). The SIW task will contain different self-control questions, clinical tasks, links to books for which you should prepare. If you do not have any textbooks, work with them in the university library. Opening hours, library contacts: [http://libblog.odmu.edu.ua/p/blog-page\\_83.html](http://libblog.odmu.edu.ua/p/blog-page_83.html).

## Deadline policy

- All SIW assignments must be completed before the start of the practical session on the relevant topic.
- Every class missed without a reason should be completed. Working off takes place on Thursdays (one "n / b") and on Saturdays (3 "n / b"). Before practicing, be sure to complete the SIW on this topic.
- In case the lesson is missed for a good reason, the dean of the faculty will give you permission to rework on an individual schedule.

## Academic Integrity Policy:

- All tasks, patient examination protocols, KROK-2 testing, reports, examination tasks must be performed by each student individually.
- Joint work on solving complex classroom tasks or SIW is allowed, however, everyone performs the written version of the completed task independently.

- It is allowed to use notes, textbooks, electronic devices during classroom and independent work.
- Plagiarism is prohibited. Those who are found to plagiarize will automatically receive a minimum score on the relevant topic.
- Cheating / prompting / using cheat sheets or technical aids during the exam will result in a “failed” grade, informing the faculty dean of the reasons for such an assessment, and retaking the exam according to the schedule.

**Attendance and late arrival policy:**

- It is necessary to come to class before it starts, put on a white coat, make sure that you have a phonendoscope, antiseptic, shoe covers, and the necessary study materials.
- In case of being late for the class, you must change your clothes before entering the classroom and enter the class without interrupting it. "N / b" is reworked in a standard manner.

**Mobile Device Policy:**

- In the classroom, it is allowed to use mobile devices, tablets and laptops exclusively for accessing educational materials and for keeping records.
- All mobile devices must be set to silent mode before the class starts.
- If it is necessary to make / receive a phone call that cannot be postponed, it is allowed to temporarily leave the classroom without interfering with the lesson.