

Short description of the discipline (abstract)
for the catalog of elective subjects

Biochemical markers and instrumental diagnostics
in the internal medicine
(name of the elective course)

Specialty	Medicine – 222
Educational degree	Master
Training course	6
Form of study	Full-time
Department	Internal Medicine, Clinical Pharmacology and Occupational Diseases

Summary of the subject:

The program of the elective course "Biochemical markers and instrumental diagnosis in the internal medicine" includes the main principles of interpretation of clinical and laboratory biochemical studies based on the theoretical knowledge and practical skills acquired by students in certain areas of internal medicine. The main objectives of the discipline "Biochemical markers and instrumental diagnosis in the internal medicine" consist of justification of the choice of laboratory tests to confirm the clinical diagnosis, exclusion of syndrome-like diseases, interpretation of results.

Approximate list of topics for practical classes:

1. Biochemical markers and instrumental diagnostics in cardiology.
2. Biochemical markers and instrumental diagnostics in pulmonology.
3. Biochemical markers and instrumental diagnostics in gastroenterology.
4. Biochemical markers and instrumental diagnostics in rheumatology and nephrology.
5. Biochemical markers of early detection of oncological pathology of internal organs.

The list of competencies that will be provided by the discipline:

General competencies:

GC1	Ability to abstract thinking, analysis and synthesis, to learn and be modernly trained
GC2	Ability to apply knowledge in practical situations
GC3	Knowledge and understanding of the subject area and understanding of professional activity

GC4	Ability to adapt and act in a new situation
GC5	Ability to make an informed decision; work in a team; interpersonal skills
GC6	Ability to communicate
GC7	Skills in the usage of information and communication technologies
GC8	Definiteness and perseverance in terms of tasks and responsibilities
GC9	Ability to act socially responsibly and consciously
GC10	The desire to preserve the environment

Special (professional, subject) competencies:

SC1	Skills of interviewing and clinical examination of the patient
SC2	Ability to determine the required list of laboratory and instrumental studies and evaluate their results
SC3	Ability to establish a preliminary and clinical diagnosis of the disease
SC6	Ability to determine the principles and character of the treatment
SC11	Skills to perform medical manipulations
SC17	Ability to keep medical records

The list of scientific and pedagogical employees who will ensure the conduct of the discipline:

№	Surname, name	Scientific degree	Academic title	Certification training
1	Shorikov Eugene	PhD, MD, professor, Doctor of Med. Scien.	Professor	2020
2	Shorikova Dina	PhD	Associate Professor	2017
3	Pavlukovich Natalie	PhD	Associate Professor	2021
4	Tkach Elisaveta	PhD	Associate Professor	2020

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and Occupational Diseases, MD, prof. _____ Oksana KHUKHLINA