

**Brief description of the discipline (abstract) for the catalog of
elective course**

Instrumental methods of examination in the internal medicine practice
(name of elective course)

Speciality	Medicine 222 (22 Health Care)
Educational level	Master
Term of study (course)	4 course
Form of study	Full-time
Department	Propedeutics of Internal diseases

Summary of the course: To acquire valid knowledge necessary for the appointment of appropriate instrumental investigations of the internal organs diseases, their performance and interpretation of the results obtained. To get familiar with ECG and spirometry recording, ultrasound investigation of the liver, gall bladder and spleen performed taking a unique opportunity to participate during this real-time investigation performed by the proficient experts in the field. Tasks: to learn techniques, common indications and contraindicators for instrumental investigations of patients with diseases of internal organs; to gain knowledge considering the results of the appointed methods, to form the appropriate diagnostic program necessary to substantiate the clinical diagnosis, evaluate the results of the investigations.

Approximate list of training topics (lectures, practical, seminar):

1. Instrumental diagnostic methods in the internal medicine practice (cardiology, pulmonology, gastroenterology, etc.);
2. Main indications and contraindications to the implementation of instrumental methods of investigation according to the recent recommendations (ECG, Holter monitoring, echocardiography, stress tests, coronary angiography, spirometry, peak flowmetry, pulse oximetry, bronchoscopy, bronchography, ultrasound of the liver, gall bladder, pancreas, kidneys, elastography of the liver; upper gastrointestinal endoscopy and colonoscopy; capsule endoscopy; wireless capsule pH investigations and catheter-based pH studies);
3. The diagnostic value of instrumental methods in internal medicine in accordance with UpToDate guidelines;
4. Particular symptoms revealed with the help of the mentioned investigations typical for internal diseases.

The list of competencies, the acquisition of which will provide the discipline:

GC 1 Ability to abstract thinking, analysis and synthesis.

GC 2 Knowledge and understanding of the subject area and understanding of professional activity.

GC 3 Ability to apply knowledge in practice.

GC 8 Ability to adapt and act in a new situation. **GC 9** Ability to identify, pose and solve problems. **GC 10** The ability to be critical and self-critical.

PC 1 Ability to collect medical information about the patient and analyze clinical data.

PC 3 Ability to diagnose: determine the preliminary, clinical, final, concomitant

diagnosis, emergencies.

PC 7 Ability to determine the tactics of management of patients with diseases of organs and tissues of the oral cavity and maxillofacial region with concomitant somatic diseases.

PC 8 Ability to perform medical and dental manipulations.

The list of scientific and pedagogical (pedagogical) employees who will ensure the conduct of the elective course:

Prof. Ilashchuk T.O.

As. prof. Prysyzhnyuk V.P.

As. prof. Malkovych N.M.

As. prof. Bobkovych K.O.

As. prof. Mykytyuk O.P.