**Speciality "General Medicine"**

# ACADEMIC DISCIPLINE "ECOLOGICAL PARASITOLOGY"

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| **Academic discipline outline** | Parasitism as a form of existence for living things. The relationship between parasite and host at the organism and population levels. The factors regulating these relationships. Adaptation to the parasitic lifestyle, and the pathogenic effects of parasites on the human body. The life cycles of the most important pathogens causing human parasitic diseases. The diagnosis of human parasitic diseases. The biological basis for preventing human parasitic diseases. |
| **Resulting skills** | Application of knowledge to develop effective measures to prevent parasitic diseases based on an understanding of the development cycles of their pathogens and their classification, to develop additional professional competencies in recognizing parasitic pathogens and their vectors in macro- and microscopic specimens. |
| **Learning outcomes** | A student must:<br>**know:**<br>the essence of parasitism;<br>the nature of host-parasite relationships at the organismal and population levels;<br>key principles of theories on the natural focal of parasitic diseases and devastation;<br>the morphological features, life cycles, and ways of human infection, as well as the pathogenic effects of the main parasitic protists, helminths, and arthropods;<br>methods for diagnosing and preventing parasitic diseases;<br>**be able to:**<br>solve situational problems in human ecological parasitology;<br>**master:**<br>skills in using a light microscope;<br>methods for diagnosing parasitological microslides. |
| **Semester(s)** | 2 semester |
| **Prerequisite** | Medical Biology and General Genetics |
| **Credit value** | |
| **Academic hours** | 16 academic hours, including 16 classroom hours (16 hours of seminars). |

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| **Forms of midterm attestation** | Credit |