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| E:\nubip_logo_new_poisk_18_2.png | **SYLLABUS OF DISCIPLINE**  **"EPIZOOTOLOGY AND INFECTIOUS DISEASES"** |
| **Educational degree – Master** |
| **Specialty 211 Veterinary Medicine** |
| **Educational program \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **Year of study \_\_\_\_ 4-5 \_\_\_\_, semester \_\_\_\_\_8, 9, 10\_\_\_\_**  **Form of study \_\_ full-time \_\_\_ (full-time, part-time)** |
| **Number of credits \_\_\_8,0\_\_\_** |
| **Language of instruction Ukrainian (Ukrainian, English)** |
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| **Course lecturer** | **\_** Candidate of Veterinary Sciences, docent **O. MARTYNIUK** |
| **Lecturer contact information (e-mail)** | **(**[**martyniuk\_og@nubip.edu.ua**](mailto:martyniuk_og@nubip.edu.ua) **;** [**sandr70@gmail.com**](mailto:sandr70@gmail.com)**)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **Course page in eLearn** |  |

**DESCRIPTION OF THE DISCIPLINE**

*(up to 1000 printed characters)*

Studying the discipline "Special Epizootology" will provide an opportunity to deepen the theoretical knowledge of the master's degree in diagnosis, treatment and prevention of infectious diseases, and fundamentally work on general issues of epizootology, OIE documents on infectious animal diseases, preventive and preventive measures, in-depth study of infectious diseases. challenge in today's globalized world (SARS, bovine spongiform encephalopathy, highly pathogenic avian influenza, African swine fever), the study of emerging infectious diseases, and those that were not taken into account in the preparation of specialists for OS "Bachelor" practical work.

**COURSE STRUCTURE**

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| **Topic** | **Years**  **(lectures / laboratory, practical, seminar)** | **Learning outcomes** | **Task** | **Evaluation** |
| **1 semester of the calendar plan \* (1 semester)** | | | | |
| **Module 1. Factor diseases** | | | | |
| **Topic 1. Factor diseases that are characterized by relay transmission of the pathogen and those that are not.** | 1/1 | Know  Current laws and regulations on the safety and spread of communicable diseases. Basic measures and means of prevention, knowledge of epidemiology and pathogenesis of infections.  Be able to conduct research on animals and objects of the environment. Develop treatments, including the judicious use of antimicrobials or the development of antimicrobial resistance  Analyze the obtained data on the current epizootic situation of infectious diseases in Ukraine and the world (OIE data).  Use the obtained epidemiological data on infectious diseases to know the epidemiology and pathogenesis of infections with important  pathogens of each type | Analyze reports from the State Service or the OIE on a particular infectious disease of domestic and exotic animals.  Writing an essay on the infectious disease of these animals. | **5** |
| **Topic 2. Epizootic process and its control in factorial diseases of animals.** | 1/1 | To know the current epizootic situation of soda factor diseases in Ukraine and the world (OIE data). The main diseases of viral nature, the systematic situation of pathogens, control and prevention measures. Basic diagnostic tools.  Analyze the probability of occurrence of factor diseases. Obtained data on diseases or individual diseases.  Understand the epizootiological features and mechanism of viral etiology.  Apply modern methods of control and surveillance of factor diseases .. | Must write an essay or make a presentation on a specific infectious disease. Elaborate modern literature on issues submitted for independent study | **5** |
| **Topic 3. Prevention of factor diseases of animals** | 1/1 | Know the features of specific and non-specific prevention of factor diseases, taking into account the characteristics of each disease in particular.  Analyze the data obtained on diseases or individual diseases.  Understand the mechanism of disease development and possible consequences.  Apply modern means of special prevention, treatment and choice of treatment, including the judicious use of antimicrobials or the development of antimicrobial resistance. | Must write an essay or make a presentation on a specific infectious disease. Elaborate modern literature on issues submitted for independent study | **5** |
| **Topic 4. Emerging infections. Exotic infections.** | 2/2 | Know the epidemiology and pathogenesis of infections and each pathogen of these diseases; development of immunity or resistance  susceptibility to infection in animals; prevention programs and  struggle. including vaccination; clinical signs and diagnostic  infection; choice of treatment, including reasonable  use of antimicrobials or the development of  thymicrobial resistance due to the pathogen; prognostic and  diagnostic value of laboratory or clinical tests.  Be able to draw up a scheme of specific prevention against infectious animal diseases.  Analyze the data obtained on diseases or individual diseases.. | Must write an essay or make a presentation on a specific infectious disease. Elaborate modern literature on issues submitted for independent study | **5** |
| **Topic 5. Known diseases in new, altered forms of manifestation and course, which have moved to new species or new nosoales.** | 2/2 | To know the current epizootic situation of emergent and exotic infectious diseases of Tarin in Ukraine and the world (OIE data). The main diseases of viral nature, the systematic position of pathogens, control and prevention measures. Basic diagnostic tools.  Analyze the probability of occurrence of uncommon diseases in the new territory.  Understand the epizootiological features and mechanism of disease development.  Apply modern methods of control and surveillance of infectious diseases .. | Must write an essay or make a presentation on a specific infectious disease. Elaborate modern literature on issues submitted for independent study | **5** |
| **Topic 6. New, previously unknown to science infections. Old, once defeated infections, but again out of control. Transboundary infectious diseases.** | 2/2 | Know  Current laws and regulations on the safety and spread of communicable diseases. Basic measures and means of prevention, knowledge of epidemiology and pathogenesis of infections.  Be able to conduct research on animals and objects of the environment. Develop treatments, including the judicious use of antimicrobials or the development of antimicrobial resistance  Analyze the obtained data on the current epizootic situation of infectious diseases in Ukraine and the world (OIE data).  Use the obtained epidemiological data on infectious diseases to know the epidemiology and pathogenesis of infections with important  pathogens of each type | Must write an essay or make a presentation on a specific infectious disease. Elaborate modern literature on issues submitted for independent study | **5** |
| **Topic 1. Bioterrorism: national and global threats.** | 2/2 | Know the current situation in biosafety in the world. Diseases that can be used by bioterrorists.  Analyze the probability of biological hazards in the new area.  Understand the consequences of biological threats that exist in the world and the likelihood of a threat in Ukraine. | Must write an essay or make a presentation on a specific infectious disease. Elaborate modern literature on issues submitted for independent study | **5** |
| **Topic 2. Infectious diseases of animals, pathogens of which can be used as agents of bioterrorism** | 2/2 | Know the epidemiology and pathogenesis of infections that can be used by bioterrorist terrorists to cause social and food crises; prevention programs and  struggle.  Be able  develop treatments, including the judicious use of antimicrobials or the development of antimicrobial resistance through a pathogen; prognostic and  diagnostic value of laboratory or clinical tests.  Analyze the data obtained on diseases or individual diseases.  Understand the epizootiological features and mechanism of disease development. | Must write an essay or make a presentation on a specific infectious disease. Elaborate modern literature on issues submitted for independent study | **5** |
| **Topic 3. Stamping out. Strategy and tactics of control and control of infectious diseases** | 2/2 | Know what is a stamping out, the purpose and features of the methods of infection control.  Be able to draw up tactics and strategies for the control of each individual infectious disease.  Analyze the possible economic damage from ineffective infection prevention. | Must write an essay or make a presentation on a specific infectious disease. Elaborate modern literature on issues submitted for independent study | **5** |
| **Writing a module** | |  | Writing a written work | **0-100** |
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| **In just 1 semester** | | | | **70\*\*** |
| **Examination** |  |  |  | **30** |
| **Total for the course** | | | | **100\*\*\*** |
| \* Note. Conducting types of classes is carried out in accordance with the schedule of the educational process  \*\* Rating on educational work: R нр = 0,70 × R (І) ом × R (2) ом хR (3) ом × R (4) ом + RдР-RШтр  \*\*\* To determine the rating of the student (listener) for mastering the discipline RDIS (up to 100 points) the received rating for certification (up to 30 points) is added to the rating of the student (listener) for academic work RNR (up to 70 points): R DIS = R HP + R AT | | | | |

**EVALUATION POLICY**

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| Deadline and recompilation policy: | The main principles of classes include:  1. Openness to new ideas, tolerance, friendly partnership atmosphere of mutual understanding and the possibility of creative development;  2. All tasks provided by the program must be completed in a timely manner;  3. Various models of work in the classroom, will give graduates the opportunity to discover their own potential, learn to trust their partners, to develop skills of intellectual work in a team;  4. Intensive use of mobile learning technologies is provided, which allows higher education students and teachers to communicate with each other at any time convenient for them, and higher education students who are absent from classes, get the necessary educational information and present completed tasks;  5. During the training, the skills of applicants are actively developed and maintained, who can prepare additional information on a topic that is not included in the list of topics of laboratory classes of content modules and make a presentation and informing the audience in addition;  6. Works that are submitted in violation of deadlines without good reason are evaluated at a lower grade. Rearrangement of modules takes place with the permission of the lecturer if there are good reasons (for example, hospital);  7. If the applicant is absent for a good reason, he / she must present independently completed tasks during self-training and consultation of the teacher in the time allotted for training with the researcher according to the appropriate schedule of consultations. |
| Academic Integrity Policy: | Write-offs during tests and exams are prohibited (including with the use of mobile devices). Abstracts, essays, presentation materials must have correct textual references to the literature used. When working on individual research tasks, the violation of academic integrity is not allowed. |
| Visiting Policy: | Attendance is mandatory. For objective reasons (for example, illness, international internship) training can take place individually (in online form in consultation with the dean of the faculty) |

**STUDENT EVALUATION SCALE**

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| **Student rating, points** | **National assessment based on the results of the compilation** | |
| **exams** | **offsets** |
| **90-100** | **Perfect** | **Credited** |
| **74-89** | **Fine** |
| **60-73** | **Satisfactorily** |
| **0-59** | **Unsatisfactorily** | **Not credited** |