**UNIVERSITY OF LIFE SCIENCES**

**„ION IONESCU DE LA BRAD” IAȘI**

**THE PROMOTION EXAMINATION IN THE TEACHING CAREER**

**IN THE 2022-2023 UNIVERSITY YEAR – SEMESTER I**

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| **POSITION DESCRIPTION:** |
| **Position** | **Associate professor for indefinite period** |
| **Position in the list of functions** | IX/9 |
| **Faculty** | Faculty of Veterinary Medicine |
| **Department** | Preclinics |
| **Subjects included in the curicullum** | EpidemiologieEpidemiologyBiologie moleculară |
| **Scientific domain** | Veterinary Medicine |
| **Description of the teaching position** | The position of associate professor, for an indefinite period, vacant, position IX / 9, provided in the List of functions and teaching staff approved for the academic year 2022-2023, contains a norm of 11 conventional hours, provided with course hours (4.5 hours) and practical work (6.5 hours), with the following distribution by discipline:- *Epidemiologie I*, course hours and practical work, performed with 3rd year students from the Faculty of Veterinary Medicine, during the first semester, as follows (weekly average): course - 2 physical hours = 4 conventional hours / 1nd semester = 2 conventional hours / year; practical works - 2 groups x 2 hours = 4 conventional hours / 1st semester = 2 conventional hours / year.- *Epidemiology I*, course and practical works, carried out with the 3rd year students from Veterinary Medicine (English group), during the first semester, as follows: course - 2 physical hours = 5 conventional hours / week = 2.5 conventional hours / year and practical work - 2 groups x 2 hours = 4.0 physical hours = 5 conventional hours / week = 2.5 conventional hours /year;- *Biologie moleculară*, practical works, carried out with the 2nd year students from Veterinary Medicine, during the first semester, as follows: 4 groups x 1 hour = 4.0 physical hours = 4 conventional hours / week = 2 conventional hours /year. |
| **Job specific activities** | * Carrying out lectures and practical activities for the disciplines listed in the list of positions, provided in item IX / 8;
* Preparing the teaching activities;
* Grading of tests;
* Consultations for the students enrolled in the subjects of the norm;
* Guidance of graduation projects;
* Development of teaching materials;
* Scientific research activity;
* Practical guidance during the academic year;
* Attendance in scientific events;
* Promotion activities and connection with the economic environment;
* Participation in civic and cultural activities in support of education;
* Other activities for the practical and theoretical training of students.
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| **Exam topics** | **Subjects:*** Epidemiologie descriptivă. Noţiunea de “populaţie atinsă”: morbiditate, mortalitate, letalitate.
* Repartiţia fenomenelor în timp: frecvenţă, forme epidemiologice ale bolilor la animale. Repartiţia şi evoluţia în spaţiu.
* Epidemiologie analitică unifactorială. Surse de agenţi patogeni.
* Receptivitatea gazdei. Moduri de transmitere a agenților patogeni.
* Depistarea bolilor transmisibile. Valoarea de diagnostic a testelor de depistare.
* Epidemiologie analitică plurifactorială. Conceptul ecopatologic. Aplicarea conceptului ecopatologic la creșterea intensivă a animalelor.
* Depistarea, profilaxia și combaterea bolilor transmisibile ale animalelor.
* Noțiuni de epidemiologie generală a zoonozelor.
* Detection of communicable diseases. The diagnostic value of screening tests.
* Host receptivity. Ways of pathogens agents transmission.
* Detection, prevention and control of animal diseases.
* Notions of general epidemiology of zoonoses.
* Structura chimică a acizilor nucleici – ADN, ARN.
* Extracția acizilor nucleici
* Tehnica PCR (polimerase chain reaction)
* Electroforeza ADN-ului

**Bibliography**1. Savuta Gheorghe, Epidemiologie veterinară, Ed. PIM, Iași, 2007, 187 pag, ISBN 978-973-716-613-5
2. Savuta Gheorghe, Epidemiologie veterinara generala, Ed. Ion Ionescu de la Brad, Iași, 2001, 135 pag, ISBN 973-8014-40-9
3. Răpuntean Gh. Răpuntean S. – (2010) Epidemiologie veterinară generală (General Veterinary Epidemiology) – Editura Academic Pres, Cluj Napoca, 260 pagini, ISBN 978-973-744-093-8.
4. Michael Thrusfield, Robert Christley – (2018) Veterinary Epidemiology, 4th Edition, 896 pages ISBN: 978-1-118-28028-7
5. B. Toma, B. Doufour, M. Sanna, et all – (1999) Applied Veterinary Epidemiology 536 pages ISBN: 92-9044-487-8
6. Solcan Carmen Cristian Radu Sisea, Biologie moleculara. 2012. Ed. "Ion Ionescu de la Brad", Iasi, 303 pag, ISBN 978-973-147-115-0
7. Solcan Carmen- Biologie moleculară generală şi aplicată. Ed. Performantica, 2008. 305 pag, ISBN 978-973-730-442-1.
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| **Wages** | The position of associate professor will be paid according to Law 153/2017, with the amount of 6594 lei. |