**„ION IONESCU DE LA BRAD” UNIVERSITY OF LIFE SCIENCES FROM IAŞI**

**ACADEMIC YEAR 2023/2024**

**CONTEST – I SEM.**

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| **DESCRIPTION OF VACANT POSITION:** | |
| **Position** | **Professor** |
| **Position in State of functions** | XI/4 |
| **Faculty** | Faculty of Veterinary Medicine |
| **Department** | Public Health |
| **Courses in the teaching curriculum** | Anatomy  Medicină experimentală |
| **Scientific area** | Veterinary Medicine |
| **Position description** | The professor position for indefinite period, vacant, no. **XI/4,** included in the State of functions and Academic Staff of Public Health Department, as approved for the academic year 2023-2024, comprises a quota of **9,00 conventional hours**, assigned with **course (7,00 hours)** and **practical works (2,00 hours)**, with the following distribution by discipline:  *- Anatomy,* hours of **course** carried out with first year students at the Faculty of Veterinary Medicine (English group), during the first and the second semesters, as follows: **course** - 4 physical hours (2 hours first semester and 2 hours in second semester) = 5 conventional hours/first semester and 5 conventional hours/second semester **= 5 conventional hours/year;**  *- Medicină experimentală*, hours of **course and practical works** carried out with 4th year students at the Faculty of Veterinary Medicine, during the first semester, as follows: **course** – 2 physical hours = 4 conventional hours/first semester **= 2 conventional hours/year** and **practical works** - 2 formations x 2 hours= 4 conventional hours/first semester **= 2 conventional hours/year** |
| **Position specific activities** | * Carrying out the courses and practical works for the disciplines specified in the position list XI/12; * Teaching activity preparation; * Checks of control works; * Consultations for students provided in the courses quota; * Guidance for license projects; * Teaching materials development; * Scientific research activity; * Practical guidance during the academic year; * Participation in scientific events; * Promotion activities and networking with the business community; * Participation in civic and cultural activities in support of education; * Other activities for the practical and theoretical training of students. |
| **Topics for the competition** | **Topics for *Anatomy:***   1. Osteology of domestic mammals and birds 2. Arthrology of domestic mammals and birds 3. Myology of domestic mammals and birds 4. Digestive System in domestic mammals and birds 5. Respiratory System in domestic mammals and birds 6. Urinary System in domestic mammals and birds 7. Genital System in domestic mammals and birds 8. Sense organs, skin and the skin production in domestic mammals and birds.   **Topics for *Medicină experimentală:***  1. Importance of experiments on animals. The pros and cons of animal testing  2. Design, location and layout of animal husbandry units used in experiments.  3. Selection of animals used in biomedical research. Behaviour. Reproduction. General feeding particularities.  4. Biological (anatomical-physiological and behavioural) characteristics of the main animal species used for experimental purposes:  4. 1. Use of the laboratory mouse as an animal model in biomedical research  4. 2. Use of the rat as an animal model in biomedical research  4. 3. Using the guinea pig as an animal model in biomedical research  4. 4. Use of the hamster as an animal model in biomedical research  4. 5. Use of the gerbil as an animal model in biomedical research  4. 6. Using the rabbit as an animal model in biomedical research  4. 6. Use of carnivores (dog, cat, ferret) as animal models in biomedical research  4.7. Use of amphibians as animal models in biomedical research  5. The experiment. Principles in experimentation. Types of experiments. Organisation of the experiment. Ethics in animal experimentation  6. Alternatives for reducing the use of animals in experiments. The 3Rs principle.  **Bibliography:**   1. COȚOFAN, V. et al. (2007) Anatomia animalelor domestice, vol 2, Ed. Orizonturi Universitare Timișoara. 2. CIUDIN, E. (2004) Biologia animalelor de laborator, Editura ALFA, Iasi 3. DYCE, K. M.; SACK, O. W.; WENSING, C. J. G. (2002) Textbook of veterinary Anatomy, 3rd Edition, Saunders. 4. KONING, H. (2020) Veterinary Anatomy of domestic mammals, textbook and colour atlas 7th Edition, Thieme. 5. MARCUS, I.; SEVASTRE, B. & SARPATAKI, S. (2018) Biologia și patologia animalelor de laborator, Editura RISOPRINT Cluj-Napoca |
| **Salary** | The Professor position will be remunerated as stipulated in Law 153/2017, with the total amount of 7250 lei. |