**UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE**

**„ION IONESCU DE LA BRAD” OF IAŞI**

**POSITIONS FOR TENDER – SEM. II**

**ACADEMIC YEAR 2017/2018**

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| **DESCRIPTION OF VACANT POSITION FOR TENDER** |
| **Position** | **Associate Professor** |
| **Position in job list** | IX/8 |
| **Faculty** | **Veterinary Medicine** |
| **Department** | Clinics IX |
| **Courses in the teaching curriculum** | - *Toxicology*- *Medical clinic and species-specific clinical presentation*  |
| **Scientific area** | Veterinary Medicine |
| **Role description** | The associate professor position for indefinite period, vacant, no. IX/8, provided in the List of jobs and academic staff as approved for the academic year 2017–2018, comprises a quota of 12,0 conventional hours, assigned with course and practical course hours, with the following semestrial distribution on courses:- **Toxicology**, course 2,0 hours sem.I, course 2,0 hours sem.II, with the average of 4,0 and practical courses 8,0 ore sem. I and practical courses sem. II 6,0, with the average of 7.- **Medical clinic and species-specific clinical presentations**, practical courses 2,0 hours sem. I, average of 1,0. |
| **Role specific activities** | * Holding courses and clinical practical courses for the courses specified in the position list, position IX/8;
* Preparation of the academic activity;
* Drawing up teaching materials in the languages: Romanian and English;
* Clinical activities: consultations, treatments, sampling specimens for laboratory exams, performing paraclinical exams, recording cases;
* Assessment papers;
* Consultations for students granted in the courses quota;
* Scientific research activity:
* Participation to scientific events;
* Activities related to promotion and connecting with the economic environment;
* Participation to civic, cultural, administrative and assessment activities initiated by the University;
* Other activities for practical and theoretical preparation of the students;

Emergency ward and clinical triage activities as planned. |
| **Tendered position syllabus** | **Topics*** The study object of toxicology, types of toxicology ; definition of toxic and toxicity ; toxicity factors linked to substance and animal ; peracute toxicity – toxic shock, acute and chronic toxicity ; particular toxicity: delayed neurotoxicity, sterility, mutagenesis, carcinogenesis, teratogenesis;
* Metabolism of toxins: paths of intrusion, absorbtion, metabolization and elimination; structure and function of the MO Cytochrome P450 dependent system; enzymatic induction and inhibition
* General principles of toxicologic diagnosis: epidemiological, clinical, morphologic pathology, analytical and biological testing data
* General therapy and prophylaxis principles; medical approach in the emergenecies of small and large animals; general prophylaxis of intoxications
* Intoxications caused by fodder additives: NaCl, urea and other nitrogen compounds
* Intoxications with soil amendments: nitrates-nitrites, phosphates
* Intoxications with pesticides: organochlorides, organophosphorics, carbamates, coumarin derivatives, ANTU, zinc phosphide, strychnine, metaldehydes, chlorates, chlorphenoxy derivatives, Pb, Hg, inorganic and organic As, Se, F
* The toxicity of the ionizing radiation and of the radiomimetic substances
* Intoxications with natural toxics from plants: solanine, nicotine, oxalic ac. / ethylene glycol, cyanogenetic glycosides
* Iatrogenic intoxications with medicines: chemotherapeutic agents, antibiotics, neuroexcitants, neurodepressors, histamine releasing agents
* Shock and vascular collapse

**Bibliography****1. Beşchea Chiriac I. S.** - Toxicologie Veterinară, Editura” Ion Ionescu de la Brad”, Iași, 2017**2. Goran V. Gh., Crivineanu V.** – Toxicologie, Ed. Printech, București, 2016 **3. Grădinaru A.C., Solcan Gh., Guguianu Eleonora, Beșchea Chiriac S.I.** – Toxicologie și toxiinfecții alimentare, Ed. ”Ion Ionescu de la Brad”, Iași, 2016**4. Popescu O., Enache T.** - Medicina Veterinara Legală (Toxicologie) II, Ed. All, București, 1996**6. Solcan Gh., Beşchea Chiriac I. S.** - Toxicologie Veterinară Manual Practic, Tehnopress, 2005**5. Suteanu E., Danielescu N., Popescu O., Trif. A.** - Toxicologie si Toxicoze, EDP R.A., Bucuresti, 1995**7. Crivineanu V., Goran Gh.** - Toxicologie Veterinară – Editura Printech, 2004**8. Gupta R. C.** - Veterinary Toxicology – Basic and Clinical Principles, Ed. Academic Press Elsevier, New York, U.S.A, 2007;**9. Oros N.A.** - Introducere în Toxicologia Veterinară, Editura Risoprint Cluj Napoca, 2005**10. Solcan Gh., Beşchea Chiriac I. S.** - Toxicologie Veterinară Manual Practic, Tehnopress, 2005 |
| **Salary** | The Associate Professor position shall be remunerated as stipulated in Legea 153/2017, with the total amount of 4793 lei. |