

## Epidemiology 2(6th year)

**No. of credits: 2**

### Subject structure (weekly assigned hours)

Semester	Lecture	Seminar	Practical session	Project
XI	1	-	1	-

### Subject status

Compulsory

### Person in charge

Lecturer Aniță Dragoș Constantin DVM PhD

### Subject objectives (lectures and applications)

- Accumulation of general notions of epidemiology, emphasizing the importance of epidemiological investigation in the diagnosis, the emergence and reemergence of infectious and parasitic diseases, ways of prevention.
- Acquiring the general principles and data on the structures involved in the official control activity in the Member States of the European Union with regard to food safety, animal health and welfare and plant health.
- Familiarity with veterinary legislation at national and European level and with the structures involved in the defense of public and animal health;
- The study of the national strategic plan in order to prepare the young veterinary doctors for the professional activity;
- The study of international epidemiological databases in which data on the evolution of all communicable diseases with implications in public and animal health are stored;
- Creating an analysis (a case study), regarding the most important diseases with implications in animal health and public health, under the conditions of an import of animals or products.

### Subject content (syllabus)

Lectures	Hrs.
General principles and structure on the functioning of official controls in the Member States of the European Union with regard to food safety, animal health and welfare and plant health. The Food and Veterinary Office (OAV) of the Directorate-General for Health and consumers. European Food Safety Authority (EFSA). Rapid alert systems for food and feed (SARAF) for animal disease outbreaks (ADNS) and outbreaks of disease in plants (EUROPHYT). The system for the exchange of information between the Commission and the Member States (TRACES)	2
The role of international structures involved in defending health: FAO, WHO, WTO, OIE. Sanitary code for terrestrial animals and aquatic animal Health Code. The Manual of diagnostic tests and vaccines for terrestrial animals and the Manual of diagnostic tests for aquatic animals	4
Zoosanitary measures aimed at avoiding risks to public health and animal health in international trade of animal and animal products. (2h)	2
General guidance procedures for the controls of live animals and animal products arriving at EU entry points.	2

The monitoring programme, prevention, control of animal diseases, communicable animals in humans, animal protection and environmental protection, identification and registration of cattle, suins, ovine and caprine animals in Romania. Contingency plans.	4
--	---

Practical Sessions	Hrs.
Safety rules applicable during the practical works. Measures for the protection of work and security and fire surveillance. Methodology for analysing an international epidemiological situation.	2
Exercises to access databases and primary analysis of epidemiological information.	2
Case study on groups of two students and a predefined topic.	2
Case study, continuation	2
Case study, continuation	2
Simulation of an animal import situation and authorization of transport	2
Elaboration of the essay to the epidemiological study carried out.	2

## Bibliography

- Terrestrial Animal Health Code
- Manual of Diagnostic Tests and Vaccines for Terrestrial Animals 2016
- Technical Disease Cards
- The World Animal Health Information System
- <http://eur-lex.europa.eu>
- [www.ansvsa.ro](http://www.ansvsa.ro)
- [www.oie.int](http://www.oie.int)

## Subject content knowledge (Final evaluation)

Evaluation type	Evaluation methods	Percentage from final
Final examination	Oral examination	40%
Evaluation along the semester	written	30%
Practical application, Oral	oral	30%

## Contact person

Lecturer Aniță Dragoș Constantin DVM PhD

Faculty of Veterinary Medicine - "Ion Ionescu de la Brad" Iași University of Life Sciences

8 Aleea Mihail Sadoveanu, Iasi - 700489, România

phone: +40 232 407 318 fax: +40 232 407 318

E-mail: [danita@uaiasi.ro](mailto:danita@uaiasi.ro)