

## General animal husbandry (IVth Year of study, VIIth Semester)

**Credit value (ECTS) 4**

### Course category

Specialized (Imposed)

### Course holder:

PhD, Prof. Ioan GÎLCĂ

### Discipline objectives (course and practical works)

The course and practical work will follow the general objective:

- Knowledge of modern technologies for the exploitation of the main species of interest to obtain livestock products in terms of quality and economy and in compliance with the principles of food safety

Specific objectives, the course and practical work will be pursued:

- Familiarize students with the technologies of animal breeding
- Deepening breeding technologies and animal exploitation in order to achieve growth in terms of economy and quality of key livestock production
- Acquiring concepts relating to genetic improvement, biotechnology breeding and nutrition so that future professionals to become involved in obtaining quality animal products
- Management of engineering processes and operation of installations / equipment in farms and zootechnical complexes; description and use of concepts, theories and methods in the field of agri-food

### Contents (syllabus)

Course (chapters/subchapters)
Systematic zoo. (The notion of species; notion of race and the formation of races).
Morphological and productive qualities of animals. Physiology of animal production.
Reproduction and genetic improvement of animals. Animal hygiene.
Notions regarding the mechanization of the main technological flows from the zootechnical farms.
Technology of cattle breeding and cattle exploitation.
Technology of sheep and goats breeding and exploitation.
Technology of swine breeding and exploitation.
Technology of poultry breeding and exploitation.
Technology of horses breeding and exploitation.

Practicum
Rules of labor protection and security and firefighting. Technical of animal approach and animal contention.
Individualization animals. The colors in animals. Presentation breed standard. Recognition races.
Analytical and synthetic examination of the exterior of animals. The calculation of body indices.
Assessing the quality of animal production
Presentation of the main machines and zootechnical installations
Technological flow analysis in cattle farms.

Technological flow analysis in sheep and goats farms.
Technological flow analysis in swine farms.
Technological flow analysis in poultry farms.
Technological flow analysis in the stud horses and deposits of stallions.

### **Bibliography**

- Gilcă I., Dragotoiu D. - Tehnologii de creștere și exploatare a animalelor. Edit. ECA București, 2003
- Gilcă I. - Zootehnie generală. Edit. "Ion Ionescu de la Brad", Iași, 2016
- Gilca I.– Tehnologia creșterii animalelor. Edit. "Ion Ionescu de la Brad", Iasi, 2016
- Maciuc V. – Managementul creșterii bovinelor. Edit. ALFA, Iași, 2006
- Pascal C. - Creșterea ovinelor și caprinelor. Edit. PIM- Iași, 2007
- Păsărin B. - Creșterea suinelor, Edit. "Ion Ionescu de la Brad", Iasi, 2005
- Tărăboanță Gh. și colab. - Zootehnie. Ed. Did. și Pedag., București, 1981
- Usturoi M.G. – Creșterea păsărilor. Edit. "Ion Ionescu de la Brad", Iasi, 2008
- Vacaru-Opriș I. – Tratat de avicultură. Edit. CERES, București, 2007

### **Evaluation**

<b>Evaluation form</b>	<b>Evaluation Methods</b>	<b>Percentage of the final grade</b>
Colloquy	Oral examination	60%
Appreciation of the activity during the semester	Oral assessment during the semester, verification tests .	40%

### **Contact**

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