Animal husbandry technology (IInd Year of study, IIIrd 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

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

Contents (syllabus)

Course (chapters/subchapters)
Morphological and productive qualities of animals. Physiology of animal production.
Reproduction and genetic improvement of animals. Animal hygiene.
Technologies of growth, reproduction and breeding of cattle.
Technologies of growth, reproduction and breeding of sheep anmd goats.
Technologies of growth, reproduction and breeding of swine.
Technologies of growth, reproduction and breeding of poultry.
Technologies of growth, reproduction and breeding of horses.
Feasibility studies and business plans for livestock farms.

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.
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.
Making a feasibility study and a business plan for a livestock farm.

Bibliografie

- Chiran A., Gindu E. – Zooeconomie. Editura PIM- Iaşi, 2007

- Ciurea I.V., Brezuleanu S. – Management –aplicații practice în zootehnie. Edit. "Ion Ionescu de la Brad", Iaşi, 2001
- Gîlcă I., Dragotoiu D. - Tehnologii de creştere şi exploatare a animalelor. Edit. ECA Bucureşti, 2003
- Gilca I.– Tehnologia creșteriia animalelor. Edit. "Ion Ionescu de la Brad", Iasi, 2016
- Maciuc V. – Managementul creșterii bovinelor. Edit. ALFA, Iași, 2006
- Pascal C. - Creşterea ovinelor şi caprinelor. Editura PIM- Iaşi, 2007
- Păsărin B. - Creşterea suinelor, Edit. "Ion Ionescu de la Brad", Iasi, 2005
- Tărăboanţă Gh. şi colab. - Zootehnie. Ed. Did. şi Pedag., Bucureşti, 1981
- Usturoi M.G. – Creșterea păsărilor. Edit. "Ion Ionescu de la Brad", Iasi, 2008
- Vacaru-Opriş I. – Tratat de avicultură. Edit. CERES, București, 2007

Evaluation

Evaluation form	Evaluation Methods	Percentage of the final grade
Exam	Oral examination	60%
Appreciation of the activity during the semester	Oral assessment during the semester, verification tests and final laboratory colloquium.	40%

Contact

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