SELECTED CHAPTERS FROM LIVESTOCK BREEDING

ECTS: 5

Course coordinator: Prof. Dr. Ivan Štuhec

Lecturers: Prof. Dr. Ivan Štuhec

No. of hours: 125  Lectures: 10  Seminar: 15  Lab. work: /  Other: 100

2. Entry requirements:
Three to five ECTS in functional etiology and breeding selected species of domestic animal gained in previously completed studies.

3. Objectives of the course and intended learning outcomes:
(competences)
Educational aim: The educational aim is to deepen knowledge and understanding of the principles on which breeding of individual livestock species are planned, the aim of which is breeding high quality animal products taking into account preservation of animal genetic resources, the well-being of animals and environmental protection. In this context, students will be acquainted with recent scientific insights on animal welfare, genetics, selection, reproduction and growth and development of individual species.
Intended learning outcome: The intended learning outcome is to enable the student to carry out independent scientific research work in the field of breeding selected livestock.

4. Syllabus outline:
The subject covers scientific content in relation to various animal species. The following will be covered:
- Breeding various species and categories of domestic animals from the point of view of breeding special products, assessing production, methods of assessment, planning and evaluating results of experiments: quality comparison of special products from different systems of breeding (breeding and quality of poultry meat, beef and lamb from grazing) and breeding and quality of enriched poultry meat and eggs.
- Parameters of quality of animal products from the point of view of factors that influence individual properties and methods of assessment of actual and perceived quality of animal products.
- Link between technologies of breeding, genotype of animal, animal welfare and productivity of the animal. Monitoring and directing breeding.
- Within aquaculture, the stress will be on specific links with induced gametogenesis, chromosomal manipulation including with triploidisation, gynogenesis and androgenesis and specifics of the link to fluctuation asymmetry and sexually conditioned differences in growth and development.
- Scientific aspects of preserving animal genetic resources and particularities of local products from milk, meat and eggs. Influence of the technology of breeding
on biodiversity and products. Seeking the most suitable breeding technology for protecting Slovene products (e.g., Karst ‘pršut’, Savinja ‘želodec’, Tolmin cheese etc.).

5. Literature (in the case of books and monographs, study sources are only selected chapters from them):
- Current scientific periodicals.

6. Teaching methods:
Lectures, seminars.

7. Assessment methods:
Seminar, oral examination.

8. References:

Štuhec Ivan
2. PRINCZ, Z., OROVA, Z., NAGY, I., JORDAN, Dušanka, ŠTUHEC, I., LUZI, F., VERGA, Marina, SZENDRŐ, Zs.. Application of gnawing stics in rabbit housing. World Rabbit Sci., 2007, letn. 15, št. 1, p. 29-36. [COBISS.SI-ID 2240648] JCR IF: 0.574, SE (31/47) agriculture, dairy & animal science, x: 0.931