Course Unit Descriptor

Study Programme: Animal Science

Course Unit Title: New technologies in production of poultry meat and eggs

Course Unit Code: AGR145

Name of Lecturer(s): Dr. Lidija V. Perić, Dr. Mirjana B. Đukić Stojčić

Type and Level of Studies: Doctoral studies program

Course Status (compulsory/elective): Elective

Semester (winter/summer): Summer

Language of instruction: English

Mode of course unit delivery (face-to-face/distance learning): face-to-face

Number of ECTS Allocated: 10

Prerequisites:

Course Aims:
Training of students with new breeding methods and their application in the production of poultry meat and eggs. The goal is the formation of experts trained for scientific and research work and the application of scientific achievements and new technologies in the production of poultry meat and eggs.

Learning Outcomes:
Formation of highly specialized scientists who are trained for scientific research work in this area, based on expanded and deepened knowledge in the field of new poultry farming technologies, with the aim of improving the production of poultry meat and eggs.

Syllabus:

Theory

Introduction. Application of new technologies in poultry farming. Basic methods - description and application of new technologies in the production of poultry meat and eggs. New methods and their application in nutrition, breeding technology and reproduction of poultry for meat production, as well as the application of new technological procedures in the production of table eggs. Solving technological problems by applying new scientific and technological knowledge in the field of poultry farming. Methods of precision agriculture. Application of precision agriculture in poultry farming. Application of robots and sensors. Application of computer programs and IoT technologies in poultry farming.

Practice

Introduction. Basic methods - description and application. Application of new technological methods in genetics, nutrition and reproduction of poultry. Solving technological problems using new technological methods. Field and laboratory exercises.

Required Reading:

- Jez C., Beaumont C., Magdelaine P. (2011) Poultry production in 2025: learning from future scenarios World's Poultry Science Journal doi:10.1017/S0043933911000092
- Bestmanm M., Ruis M., Heijmans J., van Middelkoop K. (2010): Poultry Signals, Roodbont Publishers, Netherland.

Weekly Contact Hours:	**Lectures:** 3	**Practical work:** 5

Teaching Methods:

Lectures, Practice/ Practical classes, Consultations.

Knowledge Assessment (maximum of 100 points):

Pre-exam obligations	points	**Final exam**	points
Active class participation		written exam	
Practical work	30	oral exam	50
Preliminary exam(s)		…….	
Seminar(s)	20		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			