



## SULAWE LLL course description

<b>Code</b>	<b>Title of the course</b> <b>The welfare of pigs on an industrial farm</b>
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### 1. Learning Objectives of the course

#### Qualification objectives

The objectives of the training course are to provide students with knowledge of Ukrainian and EU animal welfare legislation, to show the relationship between the impact of technological stress on pork quality, and to organise training of production staff in animal welfare practices.

On completion of the course, participants will develop professional competence in industrial pig production, taking into account the principles of animal welfare. Academic staff will improve their skills in the area of pig welfare on industrial farms.

#### Summary of the Content

The course includes educational material on the theoretical and practical basics of the legislative framework of Ukraine and the world regarding animal welfare, pig production technology taking into account the principles of animal welfare, general physiological and behavioural characteristics of pigs, as well as the effect of stress on the pig body.

The training course will involve leading experts from the scientific and production sectors of Ukraine and the EU. During the course, participants will have the opportunity to receive information and advice on the welfare assessment of pigs in farm and industrial settings. Based on modern European practices and using a multidisciplinary approach, the course will cover the requirements for the organisation of animal welfare during the rearing of different sex and age groups: conditionally pregnant, pregnant, suckling sows, sire boars, test boars, suckling piglets, young pigs for rearing and fattening. The course will also cover the welfare aspects of pig transport and slaughter.

The training course will strengthen international cooperation between scientific institutions and universities of Ukraine, exchange experience, improve the quality of the educational environment and achieve the goals and objectives of implementing partnerships between the domestic livestock sector and educational institutions to develop sustainable livestock production and train highly qualified agricultural professionals. The Centre for Innovative Technologies for Sustainable Pig Production at NULES will provide training focused on the labour market and the needs of a modern commodity producer.

During the course, students will have the opportunity to receive information and advice on pig production technology that will help increase production volumes in accordance with international standards of animal welfare, quality and safety, implement international biosecurity practices and reduce negative environmental impacts.

Participants will gain skills in the dissemination and implementation of scientific research results in the field of animal welfare, modern production methods and best practices in pig production in Ukraine and worldwide.

#### Target group

Representatives of the production sector of the Ukrainian pig industry, university students, researchers and policy makers.



### Teaching/learning forms (summary)

Problem lecture, lecture-dialogue, lecture-consultation, online excursion, case method (situational task, analysis of a specific situation), workshops.

## 2. Preconditions for participation

<b>Knowledge, skills, competences</b>	Successful understanding of the course material requires skills in analysing and synthesising knowledge in biology, engineering, economics and animal and plant production.
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## 3. Recognition of participation

Participants will receive a certificate issued by NUBiP at the end of the training course "The welfare of pigs on an industrial farm" (30 hours - 1 credit ECTS), confirming the knowledge gained.

The certificate can be recognised as continuing education for farmers and academic staff or as a result of non-formal/informal education for students.

## 4. Organisation of the course

<b>Responsible for the course</b> Dr. Nataliya Hryshchenko		
<b>Duration</b>	<b>Max. number of participants</b>	<b>Preparation/ follow up/ self-study</b>
30 hours	30 persons	10 hours

## 5. Structure of the course content

<b>Title of training section</b>	<b>Duration and % of the entire program</b>	<b>Methods/Formats used</b>	<b>Responsible person</b>
The current state of pig production in Ukraine	10%	lecture-dialogue, workshop	O.Bondarska, Ass.of pig breeders
Ukrainian and international animal welfare legislation	10%	lecture-consultation, online excursion, case method	Dr. Nataliya Hryshchenko, NUBiP
The impact of stress on pigs	10%	lecture-dialogue	Prof. Dr. Galia Zamaratskaia, SLU
Welfare requirements for rearing pigs of different sexes and ages	10%	lecture-consultation, online excursion, case method	Dr. Nataliya Hryshchenko, NUBiP



Ethology: general physiological and behavioural characteristics of pigs	10%	lecture-consultation, online excursion, case method	Dr. Nataliya Hryshchenko, NUBiP
Benefits of introducing animal welfare principles in Ukraine	10%	lecture-consultation, online excursion, case method	Prof. Dr. Nataliya Prokopenko, NUBiP
Animal welfare through the eyes of industry	10%	Problem lecture, workshop	Invited Heads of the farms
Modern approaches to pig feeding	10%	Problem lecture, online excursion, case method	K.Makhno, TOB "Agrovetatlantik" GmbH
Animal welfare during transport and slaughter	10%	lecture-consultation, case method, workshop	Dr. S. Gryshchenko, NUBiP
Pork defects due to technological stress	10 %	lecture-consultation, case method, workshop	Prof. Dr. I.Bankovska, NUBiP