|  |  |
| --- | --- |
| **STUDY PROGRAMME:** | **Professional Undergraduate Study Programme *Agriculture*** Specific field of study: Management in agriculture |
| **Course:** | **PIG RAISING** |
| **Course code:** 38902**Course status**: elective  | **Semester: V** | **ECTS credits: 4** |
| **Course holder:**  | **Tatjana Jelen,** Ph.D., professor of professional studies |
| **Modes of delivery:** | **Number of hours**  |
| **Lectures** | 30 |
| **Excersises,** | 20 |
| **Seminars** | 10 |

**COURSE OBJECTIVES:** to train students for independent organization of pig production

**COURSE CONTENT**

|  |  |  |
| --- | --- | --- |
| **Course units**  | **Modes of delivery:** | **Places of delivery** |
| **L** | **E** | **S** |
| 1.
 | Development and economic importance of pig farming. The importance and state of pig farming in the world and in the Republic of Croatia. Distribution of pigs  | 1 |  |  | Lecture room |
|  | Origin, domestication and zoological classification of pigs. On the other hand, the biological basis, Advantages and disadvantages of pig farming  | 1 |  |  | Lecture room |
|  | Pig breeds, hybrids (origin, divisions, characteristics)  | 3 |  |  | Lecture room |
|  | Selection in pig breeding, testing of pigs  | 2 |  |  | Lecture room |
|  | Breeding and inheritance methods  | 1 |  |  | Lecture room |
|  | Aids in the implementation of selection: scoring, measuring and marking  |  | 2 |  | Lecture room |
|  | Production records, selection records (tagging, marking)  |  | 2 |  | Lecture room |
|  | **COLLOQUIUM \*\***  |  | 1 |  | Lecture room |
|  | Assessment of the slaughter value of pig carcasses and meat  | 1 | 3 |  | Lecture room |
|  | Reproduction of pigs, mating, mating, farrowing  | 2 |  |  | Lecture room |
|  | Breeding and use of boars  | 1 |  |  | Lecture room |
|  | Breeding and selection methods for increasing fertility, synchronizing estrus, ovulation and farrowing  | 1 | 1 |  | Lecture room |
|  | Calculations of profitability of production – reproduction  |  | 2 |  | Lecture room |
|  | Rearing piglets to weaning, weaning piglets, rearing piglets to fattening, breeding stigmata  | 2 |  |  | Lecture room |
|  | The basics in pig feeding - the basic characteristics of the digestive tract and digestion; feed; mixtures; rations in pig feeding.  | 4 | 2 |  | Lecture room |
|  | Pig fattening  | 1 |  |  | Lecture room |
|  | Technologies for the production of certain categories of pigs  |  | 3 |  | Lecture room |
|  | Calculations of nutritional requirements, mixtures, norms,  |  | 3 |  | Lecture room |
|  | Housing and equipment in pig farming  | 2 |  |  | Lecture room |
|  | \*\* Calculations of accommodation capacities  |  |  | 4\*\* | Lecture room |
|  | Healthcare  | 3 |  |  | Lecture room |
|  | Organic pig farming  | 3 |  |  | Lecture room |
|  | Pig welfare  | 2 |  |  | Lecture room |
|  | **II COLLOQUIUM \*\***  |  | 1 |  | Lecture room |
|  | **\*\*** Economic profitability of production – calculations of examples from practice  |  |  | 4\*\* | Lecture room |
|  | **Report – task/assignment** |  |  | 2\*\* | Lecture room |
| **In total** | **30+20+10** |  |

**L=Lectures, E=Excersises, S=Seminars**

**LEARNING OUTCOMES (LO)**

LO 1. Choose the method/system of pig breeding and breeding technological procedures for a particular breed, i.e. its use

LO 2. Suggest an appropriate way of conducting selection and reproduction

LO 3. Plan accommodation capacities on the farm and preventive and curative health care with welfare measures for individual categories in pig breeding

LO 4. Assess production indicators and recommend improvements in pig farming using practical examples

Course holder:

Tatjana Jelen, Ph.D., professor of professional studies

Križevci, July 2024