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| **STUDY PROGRAMME:** | **Professional Undergraduate Study Programme *Agriculture*** Specific field of study: Plant production Management in agriculture |
| **Course:** | **POULTRY RAISING** |
| **Course code:** 38895**Course status**: elective  | **Semester: III** | **ECTS credits: 4** |
| **Course holder:**  | **Marijana Vrbančić Igrić,** M.Eng.Agr., senior lecturer |
| **Modes of delivery:** | **Number of hours**  |
| Lectures | 30 |
| Excersises, | 15 |
| Seminars | 15 |

**Course objectives:** To train students to independently organize the production of eggs and poultry meat.

**Course content**

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|  |  | **Modes of delivery:** | **Places of delivery** |
|  | **Course units**  | **L, E, S** |
| 1.
 | The importance of poultry farming and the state of poultry farming in the world and the Republic of Croatia  | 1 |  |  | Lecture Room |
|  | Systemic and zoological features of poultry | 2 |  |  | Lecture Room |
|  | Selection and breeding methods in poultry farming* The choice of a head for breeding. Marking of poultry and registry accounting

Breeding methods: breeding in pure blood, inbreeding, line breeding, crossing for the purpose of blending and creating new breeds, industrial crossing and hybridization. Artificial insemination of poultry. | 4 |  |  | Lecture Room |
|  | Chickens* Origin and domestication
* Breed
* Commercial Line Hybrids
* Production of eggs for hatching and consumption
* Restraint systems
* Breeding chickens

Fattening chickens | 6 | 2 | 3 | Lecture Room |
|  | Turkey* Origin and domestication
* Breed
* Commercial Line Hybrids
* Egg production for hatching
* Restraint systems
* Breeding turkeys

Turkey fattening | 5 |  | 1 | Lecture Room |
|  | Geese* Origin and domestication
* Breed
* Egg production for hatching
* Restraint systems
* Breeding goslings

Fattening goslings | 4 |  | 1 | Lecture Room |
|  | Ducks* Origin and domestication
* Breeds for eggs, meat and combined characteristics
* Restraint systems
* Duckling breeding
* Duckling fattening
 | 4 |  | 1 | Lecture Room |
|  | Poultry feeding* Types of poultry feed and their characteristics
* Food preparation and feeding technique
* Compound feed in poultry farming
* Feeding young poultry
* Feeding adult poultry
 | 3 |  | 7 | Lecture Room |
|  | Poultry health care* Preventive measures
* Disinfectants and disinfesters
 | 1 |  |  | Lecture Room |
|  | Structure and composition of the egg |  | 2 |  | Lecture Room |
|  | Calculation of the scope of ventilation and lighting in poultry houses |  | 2 |  | Lecture Room |
|  | Reproduction of poultry* Selection of eggs for planting
* Natural and artificial lying
* Incubators, incubators, incubating eggs
* Natural and artificial poultry farming
 |  | 3 |  | Lecture Room |
|  | Acquaintance with poultry diseases caused by improper feeding and keeping: Crooked fingers, Cannibalism, Avitaminosis. |  | 2 |  | Lecture Room |
|  | **Field work**: Visiting modern facilities and getting acquainted with newer technologies for the production of eggs for hatching, breeding offspring, production of table eggs with a sorting plant and getting acquainted with the technologies of intensive fattening of chickens |  | 4 |  | Outside KUAS |
|  | Specific species: pigeons, guinea fowls, quails, ostriches, emus. |  |  | 2 | Lecture Room |
| **In total** | **30** | **15** | **15** |  |

L=Lectures, E=Excersises, S=Seminars

**Learning outcomes (LO)**

LO 1. Present breeds and hybrids of all types of poultry and their exterior and production characteristics

LO 2. Recommend methods of keeping and feeding for all types of poultry

LO 3. Propose the implementation of breeding and selection work in poultry production

LO 4. Organize successful egg and poultry meat production with an emphasis on poultry welfare measures

Course holder:

Marijana Vrbančić Igrić, M.Eng.Agr., senior lecturer

Križevci, July 2024