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| Study program: Organic crop and livestock production | | | |
| Type and level of study: Bachelor academic studies | | | |
| Course Title: ORGANIC ANIMAL HUSBANDRY | | | |
| Professors: Dr. Slađan Rašić, Assistant Professor | | | |
| Status: Compulsory, semester V | | | |
| ECTS: 8 | | | |
| Prerequisite: None | | | |
| <p>The goal of the course</p> <p>The application of appropriate teaching methods will enable students to know and understand the origin of domestic animals, the environmental aspects of production systems livestock, breed and its characteristics, reproductive processes and factors affecting the fertility of domestic animals; the process of growth and development of domestic animals, the principles of defining breeding programs and the implementation of certain breeding methods, basic ethological characteristics of domestic animals, the nature and type of control of productivity and the necessary conditions for the production of safe food.</p> <p>During the course, special attention is paid to regulatory and legal provisions governing organic livestock production, with special emphasis on the length of time the conversion and transition from conventional to organic way of breeding of domestic animals and cultivating land.</p> | | | |
| <p>The outcome of the course</p> <p>Students should be able to explain the origin of domestic animals and describe the changes that have occurred during the process of domestication; describe and distinguish major systems livestock production; explain and describe the most important characteristics of certain breed types of domestic animals; explain basic reproductive characteristics and describe the factors that influence fertility of domestic animals; explain the processes of growth and development of domestic animals; describe, compare and contrast various methods of cultivation; recognize and explain basic ethological characteristics of domestic animals; distinguish between different types of control productivity as well as demonstrate the knowledge and present certain results through teamwork. Also, students must learn the most efficient systems of transition from conventional to organic livestock production and management skills on the farms that produce by applying organic principles.</p> | | | |
| <p>Syllabus</p> <p><i>Theoretical study</i> – Importance and state animal husbandry; The origin of domestic animals: the time and place of domestication, the changes caused by domestication; Production systems Livestock: manure and grazing systems, intensive and extensive systems, the impact of livestock production on the environment; Background: concept, characteristics, classification of breed; Fertility and reproduction of domestic animals: sexual maturity, sexual cycle, gametes, fertilization, limiting factors, reproductive technologies; The growth and development of farm animals: growth parameters, growth phases, growth control; Methods of growing domestic animals: breeding goals and programs, growing pure breed, cross breeding. Ethology of domestic animals: behavior, genetics and selection, individual behavior, sexual behavior of animals, maternal behavior, basics of social behavior; Control productivity, security of production and product quality: the importance and types of controls in livestock production, control of productivity, good zoo technical / breeding practices, measures for improvement. Fundamental principles of organic production, production control process from the standpoint of organic principles, risks in the rate of conversion from conventional to organic livestock production.</p> <p><i>Practical lessons</i> –. Exercises: marking and identification of farm animals; Measurement of farm animals; Visual assessments of domestic animals; Registration records in livestock; Marking fertility in domestic animals</p> | | | |
| <p>Literature</p> <p>Flack S. (2011) Organic Dairy Production, Chelsea Green Publishing Laura Telford & Anne Macey (2014): Organic Livestock Handbook, Acres, U.S.A.</p> | | | |
| Number of lectures: 6 | | | Other Lessons |
| Lectures: 3 | Practices: 3 | Other forms of teaching: | |
| Student research work: | | | |
| Teaching methods: Lectures, interactive teaching, discussions with students, experimental exercises, writing and public defense of Applied practical work | | | |
| Score (maximum 100 points) | | | |
| Pre-commitments | Points | The final exam | Points |
| Activity during lectures | 10 | Written exam | 25 |
| Practical lessons | 10 | Oral examination | 25 |
| Preliminary exam | 15 | | |
| Seminars | 15 | | |
| <i>Total</i> | 50 | | 50 |