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| Course: | System of cattle housing and farm management |
| Course id: 3ООP6О28 |
| Number of ECTS: 6 |
| Teacher: | Prof. Miroslav V. Plavšić, Assis. prof. Denis S. KUČEVIĆ, B.Sc., Jelena B. Stanivuk |
| Course status | Elective |
| Number of active teaching classes (weekly) |
| Lectures:2x15=30 | Practical classes:2x15=30 | Other teaching types: | Study research work: | Other classes: |
| Precondition courses | None |
| 1. Educational goal

Introducing students to the systems of cattle housing and designing farm for cattle in order to ensure adequate conditions for the application of modern farming. |
| 1. Educational outcomes

Graduate student acquires expertise to work in scientific laboratories and research centers, institutes and faculties in the area of housing and the design of the farm for cattle |
| 1. Course content

Theory lessonsThe origin and zoological characteristics of cattle; The economic significance; Development directions and trends; Breed and crossbreeding; Growth and development; Fertility and reproduction; Genetic improvement of cattle; Solving technological problems; Cattle production systems; Technology and Systems rearing offspring; Growing cattle in the system of suckler cows; New biotechnological methods of importance for the improvement of cattle. Housing systems, facilities, equipment and accommodation of cattle housing; Ecology depending on the housing system; The welfare of cattle depending on the housing system; Manure and treatment of manure; The creation of technological projects of cattle farm, depending on the housing system; Terms of construction and location of the farm; Types of facilities for cattle; Norms for the construction of buildings and farms for cattle;Practical teaching: The exploitation of cattle in milk production and the impact of physiological and external factors on the phenotypes of dairy traits. The exploitation of cattle meat production and the impact of physiological and external factors on fattening traits. Introduction to the methods of scientific research in cattle; Performing experiments in cattle; Development of projects; Field exercises. |
| 1. Teaching methods

Lectures, Practical classes, Consultations |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam (izabrati) | Mandatory | Points |
| Lecture attendance | Yes | 10 | *Oral part of the exam* | Yes | 40 |
| Test | Yes | 40 |  |
| Exercise attendance | Yes | 10 |
| *Ovde se mogu pojaviti i kolokvijumi i seminarski rad (npr. Test, Term paper)* | No |  |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Čobić, T., Antov, G. | Govedarstvo - proizvodnja mleka | SPRINT, Novi Sad | 1996 |
|  | Antov, G., Čobić, T. | Govedarstvo – Proizvodnja mesa | «Graph Style», Novi Sad | 2001 |
|  | Caput, P. | Govedarstvo | “CELEBER” d.o.o., Zagreb | 1996 |
|  | Ensminger, E. M., Perry, R.C. | Beef Cattle Science | InterstatePublishers, Inc. Danville, Illinois, | 1997 |
|  | Ensminger, E. M. | Dairy Cattle Science | Interstate, Publishers, Danville | 1993 |

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| Znak univerziteta | UNIVERSITY OF NOVI SADFACULTY OF AGRICULTURE 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 8 | Znak fakulteta2 |
| Study Programme AccreditationGRADUATED - MASTER STUDIES *ANIMAL SCIENCE* |
| Table 5.2 Course specification |