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| Course: Animal Husbandry | Beekeeping |
| Course id: |
| Number of ECTS: 6 |
| Teacher: | PhD Nada Plavša professor, PhD Pihler Ivan assistant professor |
| Course status | Elective |
| Number of active teaching classes (weekly) |
| Lectures: 30 | Practical classes: 30 | Other teaching types: | Study research work: | Other classes: |
| Precondition courses | None/navesti ako ima |
| 1. Educational goal

The acquisition of theoretical knowledge and practical skills in the field of modern beekeeping. |
| 1. Educational outcomes

The student able to applies independently develop modern biotechnological methods of beekeeping. Creating conditions for further studies at higher levels of education in the field of biotechnical sciences. |
| 1. Course content

*Theory lessons*History of beekeeping and its economic importance. Composition of a bee colony (parent, worker bees, drone). Types and breeds of bees. Anatomical morphological structure of honeybee (organs and senses). Reproduction of bees. Bee food and its sources. The life of a bee colony during the year. The bee's nest. Bee genetics. The selection and breeding of bees. Beekeeping methods (choice of sites for apiaries apiary and species; first spring work in the hive; Spring revision of bee nests, feeding, feeding bees; Preparation colony to exploit pasture; Resettlement Beehives in the frame hive; Grapple bees; The selection and execution of nuts; Natural swarming; Artificial education swarms; Moving bees to pasture; Preparing for wintering bee colonies; Bee colonies over the winter; The main bee products; Wheelbase plants and pollination; Protection of bees from pesticides. Diseases of beds: American plague; lime and stone litter; knife; European rot; Diseases of adult bees: Varroa and others. Pests bee: wax moth, bee yours, mice, ants, birds , wasps, hornets, etc..*Practical teaching: Exercise, Other modes of teaching, Study research work*Beehives with movable and fixed comb; Artificial honeycomb and its use; Small beekeeping equipment and fixtures (with a field exercise); Mechanization in beekeeping (with a field exercise); Revocation and drainage wax and honey, pollen and royal jelly (with a field exercise); Rearing queens; The use of bee products in medicine, cosmetics and food industry; Terms of nectar secretion; |
| 1. Teaching methods

Lectures, Practice/ Practical classes, Consultations, study, research work |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam (izabrati) | Mandatory | Points |
| Lecture attendance | Yes/No | 5 | *Theoretical part of the exam/Oral part of the exam/Written part of the exam-tasks and theory* | Yes | 50 |
| Test | Yes/No | 5 |  |
| Exercise attendance | Yes/No | 35 |
| *Ovde se mogu pojaviti i kolokvijumi i seminarski rad (npr. Test, Term paper)* | Yes/No | 5 |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Ćerimagić, H | Pčelarstvo | *Zadružna knjiga, Sarajevo* | *1986* |
|  | Mladenović, M., Stevanovič, G | Uzgajanje visokokvalitetnih matica | *Poljoprivredni fakultet, Beograd* | *2003* |
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| Znak univerziteta | UNIVERSITY OF NOVI SADFACULTY OF AGRICULTURE 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 8 | Znak fakulteta2 |
| Study Programme AccreditationUNDERGRADUATE ACADEMIC STUDIES *ANIMAL SCIENCE* |
| Table 5.2 Course specification |