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| Course: | MORPHOLOGY AND PHYSIOLOGY OF POULTRY |
| Course id: 3МSТ1I15 |
| Number of ECTS: 6 |
| Teacher: | Prof. dr Aleksandar Božić; Prof. dr Dragan Žikić |
| Course status | Elective |
| Number of active teaching classes (weekly) |
| Lectures: 2 | Practical classes: 2 | Other teaching types: | Study research work: | Other classes: |
| Precondition courses | None/navesti ako ima |
| 1. Educational goal

A clear understanding of morphological and physiological characteristics of livestock in the district covered by the subject content. Acquiring knowledge for successfully overcoming of further subjects crucial for the master work. |
| 1. Educational outcomes

Students achieved an average 75% performance in completing the pre-examination and exams, which enables them easier to understand other subjects in the further study. |
| 1. Course content

Theoretical lessons:Cardiovascular system and immune system. The endocrine system. Skin and skin products. Digestive organs. Respiratory system. The reproductive system. Enzymes in feed digestion in poultry. Digestion in the digestive tract and apsorption. The importance of microorganisms in the digestion of poultry. The metabolism of organic and inorganic substances. Regulation of acid-base balance. The functions of the liver and the factors that affect the intensity of metabolic processes. Vitamins. Hormones. The ratio of neural and humoral regulation.Practical lessons:Morphology of cardiovascular system, the endocrine system and the skin. The morphology of the digestive tract. The morphology of the respiratory and genital organs. The methodology of research in physiology, identify and interpret physiological parameters. Modern techniques in the physiology of poultry. |
| 1. Teaching methods

Verbal, interactive methods (CD presentations, quiz), individual and group laboratory work, microscopy |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
| Lecture attendance | Yes | 5 |  *Written part of the exam-tasks and theory* | Yes | 60 |
| Test | Yes/No |  |  |
| Exercise attendance | Yes | 5 |
| Seminar work | Yes | 30 |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Sjaastad, Q.V., Hove, K., Sand, O. | Physiology of domestic animals | Scаndinavian veterinary Press.  | 2003 |
|  | Sherwood, Lauralee, Klandorf, H., Yancey, P.H | Animal physiology – from genes to organisms | Thomson Larc, USA | 2005 |

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