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| Course: | ***Monitoring and control of infections with the purpose of enhancing rural development*** |
| Course id: 2MRR2I33 |
| Number of ECTS: 5 |
| Teacher: | Branislav Lako; Aleksandar Potkonjak |
| Course status | Elective |
| Number of active teaching classes (weekly) |
| Lectures:2 | Tutorials :2 | Other teaching types: | Study research work: | Other classes: |
| Precondition courses | Rural Economics, Rural Ecology |
| 1. Educational goal

Introducing students to the formation, expansion and movement of infections and zoonoses in urban, suburban and rural areas. This applies particularly to studying consequences, which can be caused by infectious animal diseases and zoonoses, and studyingthe methods of monitoring and controlling of these diseases. |
| 1. Educational outcomes

Students are trained to anticipate, plan and control infectionswith the purpose of enhancing rural development, because the occurrence of these diseases through the history of human society has led to the emergence of fear and a significant degree of socio-economic collapse of society. |
| 1. Course content

*Theoretical instruction*The history of development of human society and the emergence of infections in animals and humans. Classification of infections. The causes of the formation, expansion and movement of infections. Basic epidemiological and environmental facts. Zoonoses. The most important infections in animals and zoonoses in our environment. Socio-economic consequences of infections in animals and zoonoses. Risk analysis. Active and passive epidemiological surveillance. Measures of general prophylaxis. Measures of specific prophylaxis. |
| 1. Teaching methods

Lectures with power-point presentations. Seminar papers. |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Points | Final exam  | Points |
| Lectures and tutorials attendance | 20 | *Oral exam* | 30 |
| Seminar paper/term paper | 50 |  |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Thrusfield, M | Veterinary epidemiology. 4 ed.,. | Blackwell Science, Oxford, England, | 2007 |
|  | Miroslav Valčić | Opšta epizootiologija |  | 1998 |
|  | Miroslav Valčić | Specijalna epizootiologija – I, | Veterinarska komora Srbije, Beograd | 2004 |
|  |  | OIE Manual of Diagnostic Tests and Vaccines for Terrestrial Animals 6th Edition, | Volumes 1 and 2 | 2008 |