

Study programme: PhD in Biology				
Level: PhD degree				
Course title: Selected topics of Virology				
Lecturer: Petar Knezevic, PhD				
Status: elective				
ECTS: 15				
Requirements: -				
Learning objectives The aim of the course is to provide high level of knowledge to PhD students in the field of virology, primarily connected to the topics relevant to his/her PhD thesis or in accordance to her/ his interests. In addition, the aim is to train students for research in this field, through independent research.				
Learning outcomes Upon the course, the students will be able to participate in scientific work in the field of virology; they will be able to define a problem, to choose the most appropriate methods for its solving, to process the data, to interpret the obtained results and to make valid conclusions.				
Syllabus <i>Theoretical instruction</i> Obligatory topics: details of viral structure. Viral multiplication. Taxonomy of viruses. Classical and contemporary virological methods. Selected topics: In arrangement with the relevant teacher. <i>Practical instruction</i> Student's research in arrangement with the relevant teacher, related to student's PhD thesis or his/her interests.				
Literature 1. Fauquet, C. M., Mayo, M A., Maniloff, J., Desselberger, U., Ball, L. A. Virus Taxonomy. Eighth Report of the International Committee on the Taxonomy of Viruses. Elsevier Academic Press, 2005. 2. Flint, S.J., Enquist, L. V., Racaniello, V.R., Skalka, A.M. Principles of virology: molecular biology, pathogenesis, and control. 2nd Ed. ASM Press, Washington, DC ASM Press, Washington, DC, 2004. Additional literature in arrangement with the relevant teacher, in accordance to selected topics and student's research work.				
Weekly teaching load				Other:
Lectures: 5	Exercises:	Other forms of teaching:	Student research: 5	
Teaching methodology Lectures, consultations and student's independent research.				
Grading method (maximal number of points 100)				
Oral exam 50 Student's research 50				