

Course Unit Descriptor

Study Programme: Veterinary medicine			
Course Unit Title: Informatics			
Course Unit Code: ЗИВМ2И81			
Name of Lecturer(s): Associate Professor Tihomir Zoranovic, Assistant Vanja Erceg			
Type and Level of Studies: Integrated studies			
Course Status (compulsory/elective): Elective			
Semester (winter/summer): Summer			
Language of instruction: Serbian			
Mode of course unit delivery (face-to-face/distance learning): Face-to-face			
Number of ECTS Allocated: 6			
Prerequisites: None			
Course Aims: Acquisition of basic knowledge in the field of Informatics and information technologies, necessary for working in the veterinary profession.			
Learning Outcomes: IT skills for the professional career of a doctor of veterinary medicine.			
Syllabus: <i>Theory</i> Data. Information. Digital computers. Structure of PC hardware. Peripheral devices. PC software (operating systems, user programs). Algorithms. Program languages. Computer networks. Identification rules on computers. Internet and its functioning. Ways to connect to the Internet. Security rules on the Internet. Internet services. The social network. Organization of data. Basics of the database structure. Optimization. Functioning of decision support software (DSS). <i>Practice</i> Measuring the amount of information. Architecture and PC components. Analysis of the most popular operating systems (Windows, Linux, Android, MacOS). Basic operating system tools. Advanced work on user programs (Word, Excell, Power Point). Symbols of algorithms. Procedural thinking. Connect your computer to the network and to the Internet. Internet protocols, domains, html. Advanced search of the Internet. An analysis of the case of Internet attacks and identity theft. Structure of simple relational database models. Optimization on examples from agriculture (optimal production, maximization of profit, minimization of transport costs, minimization of production costs, etc.).			
Required Reading: Срђевић Б., Информатика, уџбеник, Пољопривредни факултет, Нови Сад, 1996. Зорановић Т., Примењена информатика, збирка задатака, Пољопривредни факултет, Нови Сад, 2016. Internet sources (by updating the material on the Faculty website)			
Weekly Contact Hours: 4	Lectures: 2	Practical work: 2	
Teaching Methods: Lectures and students group work			
Knowledge Assessment (maximum of 100 points): 100			
Pre-exam obligations	points	Final exam	points
Active class participation	3	written exam	
Practical work	3	oral exam	40
Preliminary exam(s)	2 x 27	
Seminar(s)			

The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.