

Study Programme: PHYTOMEDICINE			
Course Unit Title: URBAN ORNITHOLOGY			
Course Unit Code: 19.FT2014			
Name of Lecturer(s): prof. Aleksandar Jurišić, PhD; prof. Aleksandra Petrović, PhD, doc. Ivana Ivanović, PhD			
Type and Level of Studies: Undergraduate academic studies			
Course Status (compulsory/elective): elective			
Semester (winter/summer): summer			
Language of instruction: English			
Mode of course unit delivery (face-to-face/distance learning): face-to-face			
Number of ECTS Allocated: 6			
Prerequisites: none			
Course Aims: Introducing students to the basics of ornithology in urban areas. Education of students for independent bird identification important from the agricultural, veterinary and medical aspect. Training for the assessment of the ornithofauna status in urban areas, understanding and assessment of the impact on humans, other animals and habitats, as well as the anthropogenic impact on urban bird populations.			
Learning Outcomes: Theoretical and practical knowledge of urban ornithology. Independent assessment and use of interactive relations of anthropogenic factor and urban bird populations protection, from public health, veterinary and medical aspect.			
Syllabus: <i>Theory</i> Introduction to urban ornithology. Applied ornithology. Bird morphology. Bird anatomy. Ecology, habitat and behavior of birds. Sinurbanization. Characteristics of bird populations in urban areas. Causes and consequences of bird settlement in urban areas. Importance of birds for agriculture, public health, protection of human and animal health and protection of the environment. Birds vector potential. Urban bird species as reservoirs of pathogens. Monitoring, control and management of bird populations in urban areas. Monitoring of protected bird species and maintenance of populations in urban areas. Relocation and re-introduction of specimens or nests. <i>Practice</i> Taxonomy and determination of different bird species present in urban habitats. Bird forecasting models and systems. Methods for determining population size and their relocation or introduction.			
Required Reading: Rašajski, J. (1997): Ptice Srbije. Prometej, Novi Sad. Buckley P.A., Sedwitz W., Norse W.J., Kieran J. (2018): Urban Ornithology. Cornell University Press, Ithaca, United States. Lepczyk, C.A., Warren P.S. (Editors) (2012): Urban Bird Ecology and Conservation. University of California Press, Berkeley, CA, USA. Bonney X., Kampen H., Sweeney K. (2008): Public Health Significance of Urban Pests. World Health Organization. Hickman, Jr. C.P., Roberts, L.S., Keen, S.L., Larson, A., I'Anson, H., Eisenhour, D.J. (2008): Integrated Principles Of Zoology, 14th Ed. McGraw-Hill, New York, USA.			
Weekly Contact Hours:	Lectures: 15	Practical work: 30	
Teaching Methods: Lectures: presentations and consultations; Practical classes: independent laboratory exercises with microscopic and macroscopic samples, calculations			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Active class participation	5	written exam	30
Practical work	5	oral exam	30
Preliminary exam(s)	30	

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.			