



Course title: ZOONOSES

ECTS credit allocation (and other scores): 1

Semester: spring

Level of study: ISCED-7- long-cycle programmes (EQF-7)

Branch of science: Agricultural sciences

Language: English

Number of hours per semester: Lecture: 15

Course coordinator/ Department and e-mail: dr hab. Aleksandra Platt-Samoraj, prof. UWM, Department of Epizootiology

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Type of classes: lectures

Substantive content

CLASSES:

LECTURES: The causes of formation and development, as well as growing problem of the spread of zoonotic diseases (zoonoses). Law regulations relating to the eradication and control of zoonoses and zoonotic agents in Poland and in Europe. Characteristics of selected zoonoses - viral, bacterial and parasitic. Epidemiological importance, causes and mechanisms of their formation and spread. Characteristic clinical signs in humans. Higher risk groups of infection with different zoonotic agents. Laboratory diagnostics methods and principles of prevention.

Learning purpose: The aim of education is an acquisition by the student knowledge in the area of causes, mechanisms of formation and development, clinical signs, diagnostics, treatment and prevention of zoonoses.

On completion of the study programme the graduate will gain:

Knowledge: Student identifies and describes the biology of infectious agents causing diseases transmitted between animals and/or humans, taking into account the mechanisms of transmission of the disease and the body's defence mechanisms; describes and interprets the causes, clinical signs and pathological lesions, applies the rules for the treatment and prevention of particular diseases.

Skills: Student carries out a veterinary interview in order to obtain precise information about a single animal or group of animals; performs a full clinical examination of the animal; takes, protects and knows the rules for transport of samples and performs standard laboratory tests. Implements appropriate procedures in case of ascertainment of notifiable disease under control or registration.

Social Competencies: Student demonstrates responsibility for decisions taken towards humans and animals; can work with representatives of other professions in the area of the protection of public health.

Basic literature: 1) Krauss H., Weber A., Appel M., Enders B., v. Graevenitz A., Isenberg H. D., Schiefer H. G., 2003., "Zoonoses. Infectious Diseases Transmissible from Animals to Humans.", wyd. ASM Press, t.3rd Edition 2) R. M. Atlas, , 2012, One Health: Its Origins and Future. Current Topics in Microbiology and Immunology, Springer, Berlin, Germany. 3) Ganguly s, Ravishankar G. Mangodekar 2017., A Student Compendium on Arthropod-borne Viral Diseases of Economic and Zoonotic Importance Affecting Domestic Animals. Publisher: Research maGma Group, Solapur (Maharashtra), India 4) Shakespeare M., 2009., Zoonoses. Published by the Pharmaceutical Press.

Contact hours with an academic teacher: 15

Student's independent work: 10