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Course title: DISEASES OF POULTRY I

ECTS credit allocation (and other scores): 5

Semester: autumn

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

Branch of science: Agricultural sciences

Language: English

Number of hours per semester: 75 in autumn semester

Course coordinator/ Department and e-mail: Department of Poultry Diseases/ Tomasz Stenzel:  
tomasz.stenzel@uwm.edu.pl

Type of classes: classes and lectures

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#### Substantive content

CLASSES: Anatomy and physiology of birds. Demonstrative necropsy of bird. The development of the birds embryo and the formation of fetal membranes. The technique of artificial hatching. Pathology of hatching: nutritional factors and technical errors, infectious agents. Techniques of embryo necropsy. Nutritional deficiencies: the cause, characteristic symptoms and pathological changes, diagnostic techniques. Diseases of poults: rickets, Peroz, gout, cannibalism, pterophagy, inflammation of the navel and the yolk sac, aspergillosis, avian encephalomyelitis, IBD, viral diseases of ducklings. Invasive diseases caused by ecto- and endoparasites.

LECTURES: Origin and characteristics of poultry. The influence of welfare on productivity and health status of poultry. Animal welfare and the role of biosecurity in poultry breeding and farming. Basic laboratory examinations used in birds. Structure and function of the immune system of birds. Immunosuppression. Skin diseases, diseases of the muscles and the cardiovascular system. Diseases controlled by the government. National program of salmonellosis eradication .

Learning purpose: Gaining the ability to independently analyze and combine facts and independent selection of appropriate methods and diagnostic tools useful for conducting comprehensive veterinary care of poultry flocks in large-scale farming.

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On completion of the study programme the graduate will gain:

Knowledge: The student describes, explains and interprets the rules and mechanisms that underlie animal health, the emergence of diseases and their treatment - from the cell level, the organ, animal, herd of animals to the entire population of animals.

Skills: The student draw up clear descriptions of cases and keeps records , in accordance with the applicable regulations, comprehensible to the animal's owner and readable for other veterinary surgeons.

Social Competencies: The student is responsible for the own decisions to humans and animals.

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Basic literature: Mazurkiewicz M.(red.), 2019r., "Choroby Drobiu", wyd. Wrocław, 2) Y.M. Saif (red.), 2008r., "Diseases of poultry. 12th ed.", wyd. W. Blackwell , 3) Gliński Z., Kostro K. (red.), 2003r., "Choroby zakaźne zwierząt", wyd. Warszawa, 4) Wieliczko A. (red. wyd. polskiego), , 2008r., "Choroby drobiu", wyd. Elsevier , 5) Rotkiewicz i wsp. , 1999r., "5.Patomorfologiczne metody badania zwierząt", wyd. Olsztyn.

Supplementary literature:

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Subject specific journals: 1) "Medycyna Weterynaryjna", 2) "Avian Diseases", 3)

"Magazyn Weterynaryjny", 4) "Weterynaria w terenie" 5) "Polskie drobiarstwo", 6)  
"Życie weterynaryjne".

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The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 77

Student's independent work: 75