
Course title: VETERINARY ULTRASONOGRAPHY

ECTS credit allocation (and other scores): 3

Semester: autumn

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

Branch of science: Agricultural sciences

Language: English

Number of hours per semester: 30

Course coordinator/ Department and e-mail: Przemysław Sobiech, psobiech@uwm.edu.pl

Type of classes: classes and lectures

Substantive content

CLASSES: Classes will only have a practical character. The following issues will be demonstrated and done: 1) Ultrasound examination of the abdomen of cats and dogs: - urinary system - reproductive system - liver and spleen – digestive tract- adrenal glands; 2) Ultrasound examination of the neck - thyroid examination in dogs and cats 3) Ultrasound andrological examination of dogs; 4) Ultrasound diagnosis of bovine lung diseases; 5) Ultrasound diagnosis of liver bovine diseases; 6) Liver biopsy under ultrasound guidance.

LECTURES: The following issues will be discussed during lectures: 1) Basics of ultrasonography; 2) Artifacts in ultrasound examination; 3) Ultrasound examination techniques; 4) Patient preparation for ultrasound examination; 4) Exemplary ultrasonograms 5) Ultrasound diagnosis of bovine lung diseases 6) Ultrasound diagnosis of liver diseases 7) Ultrasound examination of calves' lungs. 8) Ultrasound diagnosis of BRDC 8) Liver ultrasound examination and liver biopsy under ultrasound guidance. Some lectures will only be a theoretical base for practical classes.

Learning purpose: to expand knowledge of ultrasound examination of pets and farm animals

On completion of the study programme the graduate will gain:

Knowledge: diagnostic procedures, additional tests and interpretation of the results

Skills: effective communication, the use of ultrasound equipment

Social Competencies: responsibility for own decisions and adherence to ethical principles

Basic literature: 1) Paddy Mannion, Diagnostyka ultrasonograficzna małych zwierząt pod redakcją Paddy Mannion – wydanie polskie pod redakcją W. Atamaniuka , wyd. Triangulum, 2008 ; 2) Ivo Grygar, Eduard Kudlac, Ultrasonografia w położnictwie i ginekologii weterynaryjnej, wyd. Platan, 2004

Supplementary literature: -

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 32

Student's independent work: 0