



Course title: PROBLEMS OF LARGE CATTLE HERDS

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: Katarzyna Żarczyńska, katarzyna.zarczynska@uwm.edu.pl

Type of classes: classes and lectures

Substantive content

CLASSES: The following issues will be discussed during classes: 1) Monitoring of calf rearing, 2) Monitoring of calf health, 2) Diseases related to high productivity - symptoms, diagnostic procedures, prevention, 3) Interpretation of laboratory test results, 4) Liver biopsy, 5) Liver ultrasound examination, 5) Tracheotomy in the diagnosis of calf respiratory diseases, 6) Monitoring of nutrition on a dairy cattle farm, 7) Production parameters of ruminants and their use in a dairy herd management. Some classes will only have a practical character.

LECTURES: The following issues will be discussed: 1) Diseases of the neonatal period of calves - symptoms, diagnostic procedures, prevention and treatment, 2) Metabolic diseases of dairy cows - laboratory diagnostic procedures, prevention and treatment, 3) Ultrasound examination of the liver, 4) Liver biopsy procedure, 5) Prevention of infectious bovine diseases, 6) Nutrition of individual technological groups of cattle, 7) Reproduction management of a dairy herd. Some lectures will only be a theoretical base for practical classes.

Learning purpose: to familiarise students with a dairy herd management and veterinary supervision

On completion of the study programme the graduate will gain:

Knowledge: diagnostic and therapeutic procedures, animal monitoring on large-scale farms

Skills: effective communication, development of preventive programs, collection of information on health and welfare

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

Basic literature: 1) Divers Thomas J., Peek Simon F, Choroby bydła mlecznego Tom 1 i 2, wyd. URBAN & PARTNER, 2011; 2) Pod redakcją Mariana Kuczaja i Jerzego Presia, Wybrane elementy żywienia a problemy zdrowotne krów mlecznych, wyd. MEDPHARM, 2014 ; 3) Ryszard Mordak, Monitorowanie problemów zdrowotnych stad bydła, wyd. MEDPHARM, 2008

Supplementary literature: 1) Jan Hulsen , Sygnały krów praktyczny poradnik dla hodowców bydła, wyd. Polskie Wydawnictwo Rolnicze, 2009 2) Jan Hulsen, Dries Aerden, Sygnały żywienia krów- Praktyczny poradnik żywienia krów mlecznych, wyd. Apra, 2014

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 32

Student's independent work: 0