

## Karta opisu zajęć (syllabus)

Nazwa kierunku studiów <i>Name of study</i>	Zootechnika
Nazwa modułu, także nazwa w języku angielskim <i>Course title</i>	Applied animal nutrition
Język wykładowy <i>Language of lecture</i>	English language
Rodzaj modułu <i>Type of the course</i>	optional
Poziom studiów <i>Study level</i>	Bachelor's degree
Forma studiów <i>Form of study</i>	stationary
Rok studiów dla kierunku <i>Year of study</i>	III
Semestr dla kierunku <i>Semester of study</i>	V
Liczba punktów ECTS z podziałem na kontaktowe / niekontaktowe <i>ECTS credits</i>	2 (1,6/0,7)
Tytuł naukowy/stopień naukowy, imię i nazwisko osoby odpowiedzialnej za moduł <i>Name of lecturer</i>	dr inż. Edyta Kowalczyk-Vasilev
Jednostka oferująca moduł <i>Institute / Department offering the course</i>	Institute of Animal Nutrition and Bromatology
Cel modułu <i>Aim of the course</i>	The module combines the knowledge gathered during Animal Nutrition and Feedstuffs courses. Highlights the importance of the correct estimation of daily nutrient requirements of specific groups of animals and choosing the proper ration components among available feedstuffs based on their nutritive value, according to animals nutritional needs, biological experiments and practical experience (based on case studies). Explains the consequences of inadequate nutrition on health, welfare, reproduction and productivity, as well as its consequences on the environmental impact. Introduces formulating and analyzing rations for livestock, balancing nutritional needs and choice of ingredients in relation to cost and suitability. Includes economics of livestock feeding and performance indicators.
Wymagania wstępne i dodatkowe <i>Prerequisites and additional requirements</i>	Completion of courses: Animal Physiology, Feeding Science, Animal Nutrition.
Wykaz literatury podstawowej i uzupełniającej <i>References</i>	<p><i>Recommended literature:</i></p> <ol style="list-style-type: none"> <li>Cheeke, P. R. (2005): Applied Animal Nutrition. Feeds and Feeding. (3rd ed.). Pearson Prentice Hall, USA.</li> <li>McDonald, P., R. A. Edwards, J. F. D. Greenhalgh, C. A. Morgan, L. A. Sinclair, R. G. Wilkinson (2010): Animal Nutrition (Seventh edition). Pearson Prentice Hall, USA.</li> </ol> <p><i>Supplementary literature:</i></p> <ol style="list-style-type: none"> <li>Available journals focused on animal nutrition; Articles provided by the lecturer</li> </ol>
Planowane formy działania/ metody dydaktyczne <i>Planned forms/ activities/teaching methods</i>	Didactic methods: lecture, presentation, discussion combined with case study, estimation of nutritional needs of animals and nutritive values of feeds, formulation of rations and concentrate mixtures recipes for various species of animals using available specialized software