

**Training module (syllabus)**

Field of study	Bioinformatics in bioeconomy
Name of the training module including the Polish name	<b>IT in the assessment of animal nutrition</b> <i>IT w ocenie żywienia zwierząt</i>
Language of instruction	English
Type of the training module	Facultative
Level of the training module	Undergraduate studies
Form of studies	Full-time
Location in the programme (year)	II
Location in the programme (semester)	3
Number of ECTS credits with a division into contact/noncontact	3 (2,04/0,96)
Name and surname of the person in charge	<b>Prof. Bożena Kiczorowska</b>
Unit offering the subject	Institute of Animal Nutrition and Bromatology
Aim of the module	As part of the course, students will learn about IT tools used in the assessment of animal nutrition and the conditions affecting the quality of nutrition. Students learn the principles of designing optimal animal nutrition, including the factors necessary to optimize food rations for selected animals, used in the development of IT tools supporting such activities.
Preliminary and additional requirements	Podstawy biochemii, biologia komórki, analiza matematyczna
Recommended and obligatory reading list	<u><b>Obligatory:</b></u> 1. Cox-Hynd, P. <u>Animal Nutrition</u> , CABI, 2019 2. Church D. C.; Pond R. R; Schoknecht P. A. Basic Animal Nutrition and Feeding. Revised, 2004. <u><b>Recommended:</b></u> 1. Hajek V., Zablotski Y., Kölle P. Computer-aided ration calculation (Diet Check Munich©) versus blood profile in raw fed privately owned dogs. <u>Journal of Animal Physiology and Animal Nutrition</u> , 106/2, 2022.
The intended forms/activities/ teaching methods	Lectures, auditorium exercises - multimedia presentations, lecture, lecture, discussion. Laboratory exercises - design work carried out using computer programs in a computer lab (use of IT tools in the practical design of a nutritional program for animals).