



SZKOŁA GŁÓWNA  
GOSPODARSTWA  
WIEJSKIEGO

## Dietetics

### Educational subject description sheet

#### Basic information

<b>Field of study</b> Veterinary Medicine	<b>Didactic cycle</b> 2023/24
<b>Speciality</b> -	<b>Subject code</b> WETFVMS_D.5100.01756.23
<b>Organizational unit</b> Faculty of Veterinary Medicine	<b>Lecture languages</b> english
<b>Study level</b> long-cycle	<b>Mandatory</b> Obligatory subjects
<b>Study form</b> full-time studies	<b>Block</b> Major subjects
<b>Education profile</b> General academic	<b>Disciplines</b> Veterinary medicine
<b>Coordinator</b>	Jacek Wilczak
<b>Teacher</b>	Jacek Wilczak
<b>Period</b> Semester 9	<b>Examination</b> Exam
	<b>Activities and hours</b> Lecture: 15 Laboratory exercises: 15
	<b>Number of ECTS points</b> 2

#### Goals

Code	Goal
C1	During the course, students learn about dietary management in selected disease entities of dogs and cats and the role that individual nutrients play in nutritional therapy. Particular emphasis will be placed on discussing the principles of selecting the amount and proportion of nutrients in each disease entity and nutritional guidelines that determine the choice of commercial household food and veterinary diets in dietary management.

## Entry requirements

Animal physiology 2, Animal nutrition and feeding, Pathophysiology, Biochemistry 2, Pathomorphology 3

## Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
<b>Knowledge - Student knows and understands:</b>			
W1	structure and describes functions of digestive system	B.W1, B.W2	Written exam, Oral credit
W2	the relationship between food intake, digestion, absorption and excretion of individual nutrients	B.W1, B.W3	Written exam, Oral credit
W3	the differences between species in the demand for nutrients	B.W13	Written exam, Oral credit
W4	the differences between commercial food, veterinary diet and home-made diet	B.W13	Written exam, Oral credit
W5	the characteristic features of dietary management for a given disease	B.W1, B.W13, B.W14, B.W2	Written exam, Oral credit
<b>Skills - Student can:</b>			
U1	properly select dietary management for a given disease	B.U21, B.U5	Written exam, Oral credit
U2	lay down food doses for individual animal species in health and disease	B.U21, B.U5	Written exam, Oral credit
U3	interpret requirement for ingredients based on results of morphological and biochemical analyzes	B.U21, B.U5	Written exam, Oral credit
U4	use scientific articles and data	B.U21, B.U5	Written exam, Oral credit
<b>Social competences - Student is ready to:</b>			
K1	show responsibility for decisions regarding animal nutrition in good health	KS.1, KS.4, KS.5, KS.8	Oral credit
K2	undertake a dietary procedure	KS.1, KS.4, KS.5, KS.8	Oral credit
K3	continually improve his knowledge and improvement skills	KS.1, KS.4, KS.5, KS.8	Oral credit

## Study content

No.	Course content	Subject's learning outcomes	Activities
1.	<p>Detailed description of the course: Lecture topics: Basic nutrition of dogs and cats - species differences in the nutrients requirement and metabolism, impact on whole organism function, principles of home-made diet and commercial petfoods preparation (2 hours); Dietary recommendations in diseases of the gastrointestinal tract, failure of pancreas and liver (2 hours); Dietary recommendations in cachexia, oncological diseases (2 hours); Dietary recommendations in diseases of the kidneys and urinary tract (2 hours); Dietary recommendations in food allergies (1 hour); Nutritional and dietary management in metabolic diseases, diabetes, overweight and obesity (2 hours); Dietary recommendations in dermatological diseases (1 hour); Nutritional and dietary management in dog and cat geriatrics (1 hour); The use of biologically active compounds in the nutritional therapy of diseases (2 hours).</p>	W1, W2, W3, W4, W5	Lecture
2.	<p>Seminar classes: During the seminars, students present their seminar related to the lecture topics. The following elements need to be included in presentations regarding each disease: 1) diagnostic parameters specific to a given disease and 2) dietary management plan including both veterinary and home-made diets. Students should participate actively in the discussion moderated by the teacher. Content of training lectures are complementary to the content of education exercises.</p>	W1, W2, W3, W4, W5, U1, U2, U3, U4, K1, K2, K3	Laboratory exercises

### Course advanced

Activities	Methods of conducting classes
Lecture	Lecture
Laboratory exercises	Discussion, Display

Activities	Examination method	Percentage
Lecture	Written exam	60%
Laboratory exercises	Oral credit	40%

<b>Activities</b>	<b>Credit conditions</b>										
Lecture	<p>The effects are verified by:</p> <ol style="list-style-type: none"> <li>getting points from the presented seminar (1-10), the basis for assessment will be compliance with the topic of the seminar, presentation, discussion, justification / defense of the opinions delivered; it is possible to award an additional 5 points during all classes for active participation in the discussion</li> <li>result of the final verification test (single-choice test, to obtain a maximum of 45 points, a score of 0-1 point for each question, includes 25 points). The second term of the final test is in the same form.</li> </ol> <p>In the case of excused absence at the final exam, the student does not lose the deadline and takes the final exam on the date agreed with the subject coordinator.</p> <p>Besides the methods of verification of learning outcomes does not provide any additional. In case of unforeseen, unusual circumstances mandatory remote teaching and remote assessment methods might be adopted.</p>										
Laboratory exercises	<p>To obtain a positive final grade in the course of Dietetics, it is necessary to present a seminar topic and obtain a minimum of 6 points and a positive result of the final exam (minimum of 25 points from 45 points possible). Points for active participation in the discussion are not obligatory but are taken into account in the final assessment of the student's work. The student can get a maximum of 55 points (plus 5 points for activity).</p> <p>Point scale and corresponding grade scale for the final grade after Dietetics course:</p> <table> <tbody> <tr> <td>31-35</td> <td>3.0 (sufficient)</td> </tr> <tr> <td>36-40</td> <td>3.5 (sufficient +)</td> </tr> <tr> <td>41-45</td> <td>4.0 (good)</td> </tr> <tr> <td>46-50</td> <td>4.5 (good +)</td> </tr> <tr> <td>51-55</td> <td>5.0 (very good)</td> </tr> </tbody> </table>	31-35	3.0 (sufficient)	36-40	3.5 (sufficient +)	41-45	4.0 (good)	46-50	4.5 (good +)	51-55	5.0 (very good)
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## Literature

### Obligatory

- Lewis, Small Animal Clinical Nutrition, ed. IV or newer
- Pibot, Encyclopedia of Canine Clinical Nutrition, Royal Canin, 2006
- Pibot, Encyklopedia of Feline Clinioical Nutrition, Royal Canin, 2006
- Brody, Nutritional Biochemistry

### Optional

- Relevant scientific publications, including those of the module coordinator

## Calculation of ECTS points

<b>Activity form</b>	<b>Activity hours*</b>
Lecture	15
Laboratory exercises	15
Preparation of a multimedia presentation	10
Preparation for the exam	20
<b>Student workload</b>	<b>Hours</b> 60
<b>Number of ECTS points</b>	<b>ECTS</b> 2

\* hour means 45 minutes

## Effects

Code	Content
KS.1	Absolwent jest gotów do wykazywania odpowiedzialności za podejmowane decyzje wobec ludzi, zwierząt i środowiska przyrodniczego
KS.4	Absolwent jest gotów do korzystania z obiektywnych źródeł informacji
KS.5	Absolwent jest gotów do formułowania wniosków z własnych pomiarów lub obserwacji
KS.8	Absolwent jest gotów do pogłębiania wiedzy i doskonalenia umiejętności
B.U5	Absolwent potrafi oceniać stan odżywienia zwierzęcia oraz udzielać porad w tym zakresie
B.U21	Absolwent potrafi opracowywać i wprowadzać programy profilaktyczne właściwe dla poszczególnych gatunków zwierząt
B.W1	Absolwent zna i rozumie zaburzenia na poziomie komórki, tkanki, narządu, układu i organizmu w przebiegu choroby
B.W2	Absolwent zna i rozumie mechanizmy patologii narządowych i ustrojowych
B.W3	Absolwent zna i rozumie przyczyny i objawy zmian anatomopatologicznych, zasady leczenia i zapobiegania w poszczególnych jednostkach chorobowych
B.W13	Absolwent zna i rozumie zasady żywienia zwierząt z uwzględnieniem różnic gatunkowych i wieku
B.W14	Absolwent zna i rozumie zasady układania i analizowania dawek pokarmowych