

**Course name:**

**PARASITES OF DOMESTIC ANIMALS**

ECTS	3
Course status	complementary
Course final assesement/evaluation of outcomes	project
Prerequisites	example: passing the subject of zoology

**Main field of study:**

**field of study name (capital letters)**

Profile of study	General-academic
The code of studies (education level)	SI/SM (bachelor/master)
Semester of studies	winter or summer
Language of instruction	English

**Course offered by:**

Name of faculty offering the course	Faculty of Animal Science
Name of department offering the course	Department of Zoology and Animal Welfare
Course coordinator	dr Jerzy Kowal, Ph.D.

**Learning outcomes of the course:**

Symbol of outcome	Description of learning outcome	Reference to	
		main field of study outcomes	discipline#

**KNOWLEDGE – student knows and/or understands:**

PPP_W1	principals about: definisions used in parasitology, parasitic species occured in animals and parasite's life cycles, host-parasite interactions with emphasis of	ZOO1_W01	RZ
PPP_W2	mpact of different factors on level of parsitic inwazsions in animals as well as invasion mangnent and control	ZOO1_W10	RZ

**SKILLS – student is able to:**

PPP_U1	recognize species/family of parasitic organisms in the base of morphology of adult parasites , their larve or propaques	ZOO1_U01	RZ
PPP_U2	choose priciple diagnostic method in relation to type of parasitic infection occured in animals, estimate infection level and compile parsite control patterns	ZOO1_U09	RZ

**SOCIAL COMPETENCE- student is ready to:**

PPP_K1	carry about parasitological status in different types of enviroments	ZOO1_K01	RZ
PPP_K2	do work in groups and manage work of small teams compling prifilactics and prevention of animal parasitic diseases	ZOO1_K07	RZ


**Teaching contents:**

**Lectures** **10** **hours**

Topics of the lectures	<ol style="list-style-type: none"> <li>1. Introduction to the course. Key definitions. Parasites as pathogens</li> <li>2. Infection and disease. Factors affecting the epizootiology of parasitic diseases</li> <li>3. The spectrum of parasitism. Institute's collection of parasite specimens</li> <li>4. Characterization of protozoa. Life cycles of coccidia and their importance to epizootiology and control programmes</li> <li>5. Characterization of helminths. Life cycles of flukes, tapeworms and nematodes, and their importance to epizootiology and control programmes</li> <li>6. Characterization of arthropods (mites, ticks, fleas, lice and flies). Myiasi</li> <li>7. Parasitic zoonoses</li> </ol>
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Accomplished learning outcomes	<i>PDA_W1, PDA_W2</i>
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Verification methods, rules and criteria of outcome assessment	<i>Preparation of project realized on laboratories</i>
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**Classes** **19** **hours**

Topics of the classes	<p>Methods, tools and techniques used in diagnostic parasitology (flotation, McMaster technique, autopsy, making permanent dyed microscopic preparations, sporulation).</p> <p>Determination of the species of acquired internal parasites of animals (main diagnostic features)</p>
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Accomplished learning outcomes	<i>PDA_U1, PDA_U2, PDA_K1, PDA_K2</i>
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Verification methods, rules and criteria of outcome assessment	<i>Preparation of project realized on laboratories(75%)</i>
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**Seminars** **1** **hours**

Topics of the seminars	presentaion of project
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Accomplished learning outcomes	<i>PDA_U1, PDA_U2, PDA_K1, PDA_K2</i>
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Verification methods, rules and criteria of outcome assessment	<i>Presentaion of project realized on laboratories (25%)</i>
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**References:**

Basic	<p><i>Anonymous, 1986: Manual of veterinary parasitological laboratory techniques. Ministry of Agriculture, Fisheries and Food, London.</i></p> <p><i>Kaufmann J., 1996: Parasitic infections of domestic animals. Birkhäuser Verlag, Basel.</i></p> <p><i>Samuel, W.M., Pybus M.J, Kocan A.A. 2001. Parasitic diseases of wild mammals. Iowa State University Press, Ames.</i></p>
Supplementary	<p><i>Thienpont D. et al., 1986: Diagnosing helminthiasis by coprological examination. Janssen Research Foundation, Beerse.</i></p> <p><i>Urquhart G. M. et al., 1996: Veterinary parasitology. Blackwell Science, Oxford.</i></p> <p><i>Atkinson C.T., Thomas N.J., Hunter D.B. 2008. Parasitic Diseases of Wild Birds. Wiley-Blackwell; Ames.</i></p>

#### Structure of learning outcomes:

Discipline: animal husbandry and fishery (RZ)	3	ECTS**
Discipline:	0	ECTS**

#### Structure of student activities:

Contact hours	32	hours	2	ECTS**
including:				
lectures	10	hours		
classes and seminars	10	hours		
consultations	9	hours		
participation in research	0	hours		
mandatory traineeships	0	hours		
participation in examinations	3	hours		
e-learning	0	hours	0	ECTS**
student own work	33	hours	1	ECTS**

Syllabus valid from the academic year 2021/2022

\* where 10 hours of classes = 1 ECTS (in case of 15 h → 2 ECTS)

\*\* stated with an accuracy to 0.1 ECTS, where 1 ECTS = 25 - 30 hours of classes

# academic discipline code: RZ - animal science and fishery, PB - biological sciences, etc.