

DESCRIPTION OF THE COURSE OF STUDY

Course code	0912-7LEK-C3.3-P	
Name of the course in	Polish	Parazytologia
	English	Parasitology

1. LOCATION OF THE COURSE OF STUDY WITHIN THE SYSTEM OF STUDIES

1.1. Field of study	medicine
1.2. Mode of study	Full-time
1.3. Level of study	Uniform Master's studies
1.4. Profile of study*	General academic
1.5. Person preparing the course description	Dr hab. n. med. Daniel Młocicki, dr Wioletta Adamus-Białek , dr Rusłan Sałamatın
1.6. Contact	wioletta.adamus-bialek@ujk.edu.pl

2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

2.1. Language of instruction	English
2.2. Prerequisites*	Microscopic techniques, basic concepts of general biology

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

3.1. Form of classes	Lecture: 15; classes:15; laboratories: 15
3.2. Place of classes	Courses in the teaching rooms of the UJK
3.3. Form of assessment	Exam; credit with grade- lab.
3.4. Teaching methods	Lecture – informative lecture, teaching supported by the computer. classes– laboratory classes, teaching supported by the computer. Demonstration with instruction, practical classes.
3.5. Bibliography	Required reading
	Further reading

1. Human Parasitology 4/e, ELSEVIER, 2012, Bogitsh, Carter, Oeltmann,
2. Buczek A (red.). 2010. Parasitology for medical students

1. Study Guide. Medical parasitology, 2009, Wydawnictwo UMP w Poznaniu, Majewska, Anna C.; Nowosad
2. Guerrant R. L. 2005. Tropical Infectious Diseases. Elsevier Health Sciences, Philadelphia

4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED TEACHING OUTCOMES

<p>4.1. Course objectives <i>(for all form of classes)</i></p> <p>C1 – acquaintance with the biology of discussed parasites. C2 – acquaintance with anatomical and morphological structure of selected parasites. C3 – acquaintance with the role and importance of parasites for animals and humans. C4 – acquaintance with the diagnostic and methods of treatment of parasitic invasion. C5 – acquaintance with the rules of collection and storage of material for testing for the presence of parasites.</p>
<p>4.2. Detailed syllabus <i>(for all form of classes)</i></p> <p>lectures: the definition of parasitism. A host-parasite system. Physiological adaptation of the parasite to the host. Defense mechanisms occurring in a host – parasite system. Protozoology medical attention. Medical Helminthology. Medical arachnoentomology. Reproduction, growth, development cycles of parasites belonging to various taxonomic groups. The geographic scope of the parasite – host system. classes: discussion of selected species of parasites including the systematic assignment, induced by parasitosis and methods of their diagnosis and treatment.</p>

4.3 Intended learning outcomes

Code	A student, who passed the course	Relation to learning outcomes
within the scope of KNOWLEDGE , the graduate knows and understands:		
W01	the epidemiology of infections with viruses, bacteria as well as fungal and parasites infections, including geographical range of their occurrence;	C.W13.
W02	invasive human forms or stages of development of selected parasitic fungi, protozoa, helminths and arthropods, including geographical coverage of their occurrence;	C.W16.
W03	the functional principle of the parasite - host pair and knows the basic symptoms of illnesses caused by parasites;	C.W17.
W04	the basics of microbiological and parasitological diagnosis;	C.W19.
within the scope of ABILITIES the graduate knows how to:		
U01	operate the optical microscope, also making use of immersion;	A.U1.
U02	recognize the most common human parasites on the basis of their construction, life cycles and symptoms of the disease;	C.U7.
U03	prepare a microscopic formulation and recognizes pathogens under a microscope;	C.U9.

4.4. Methods of assessment of the intended learning outcomes

Teaching outcomes (code)	Method of assessment (+/-)																				
	Exam oral/written*			Test*			Project*			Effort in class*			Self-study*			Group work*			Others*		
	Form of classes			Form of classes			Form of classes			Form of classes			Form of classes			Form of classes			Form of classes		
	L	C	...	L	C	...	L	C	...	L	C	...	L	C	...	L	C	...	L	C	...
W01	+				+																
W02	+				+																
W03	+				+																
W04	+				+																
U01											+										
U02					+	+															
U03											+										

4.5. Criteria of assessment of the intended learning outcomes

Form of classes	Grade	Criterion of assessment
lecture (L)	3	61% to 68%
	3,5	69% to 76%
	4	77% to 84%
	4,5	85% to 92%
	5	93% to 100%
classes (C)*	3	61% to 68%
	3,5	69% to 76%
	4	77% to 84%
	4,5	85% to 92%
	5	93% to 100%
Practical classes (PC)*	3	From 61% to 68% Learning programme content on the basic level, replies chaotic, leading questions necessary.
	3,5	From 69% to 76% Learning programme content on the basic level, answers systematized, requires assistance from the teacher.

4	From 77% to 84% Learning programme content on the basic level, answers systematized, independent. Solving of problems in typical situations.
4,5	From 85% to 92% The scope of presented knowledge exceeds the basic level based on the supplementary literature provided. Solving of problems in new complex situations
5	From 93% to 100% The scope of presented knowledge exceeds the basic level based on independently acquired scientific sources of information

- **Thresholds are valid from 2018/ 2019 academic year**

Conditions for obtaining credit:

1. Condition for admission to the examination is the completion of all classes (including written tests) as well as presence in all lectures.
2. Practical and theoretical knowledge required, not only the current subject, but also aspects previously discussed and related to the course subject.
3. All students will be assessed during each class.
4. The grade, including insufficient can be improved only once within 14 days, during subsequent classes. Test correction will be performed within two weeks.
5. Study Regulations do not allow an unexcused absence. An unexcused absence can be fulfilled during next class.
6. The assistant conducting classes with the group of students is responsible for the above mentioned organizational matters.
7. A final written exam.

Criteria for evaluation of oral answer

1. Provision of a comprehensive answer to the problem (task)
2. Skill of integration of knowledge from allied domains (disciplines)
3. Independence and/or creativity in the presentation of the scope of problems, proposals of solutions
4. Presentation of the current knowledge related with the discipline (domain)
5. Recognition of problems resulting from the task

Criteria for evaluation of written answer

1. Compliance with the essence of the subject matter of work (task) /
2. Provision of a comprehensive answer to the problem (task) /
3. Skill of integration of knowledge from allied domains (disciplines) /
4. Independence and/or creativity in the presentation of the scope of problems
5. Presentation of the current knowledge related with the discipline (domain), pertinent selection of literature.

5. BALANCE OF ECTS CREDITS – STUDENT’S WORK INPUT

Category	Student's workload
	Full-time studies
NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER /CONTACT HOURS/	45
<i>Participation in lectures*</i>	15
<i>Participation in classes, seminars, laboratories*</i>	30
<i>Preparation in the exam/ final test*</i>	
<i>Others*</i>	
INDEPENDENT WORK OF THE STUDENT/NON-CONTACT HOURS/	30
<i>Preparation for the lecture*</i>	
<i>Preparation for the classes, seminars, laboratories*</i>	15
<i>Preparation for the exam/test*</i>	5
<i>Gathering materials for the project/Internet query*</i>	10
<i>Preparation of multimedia presentation</i>	
<i>Others*</i>	
TOTAL NUMBER OF HOURS	75
ECTS credits for the course of study	3

Accepted for execution (date and signatures of the teachers running the course in the given academic year)

.....