

		EI		SYLLABUS CYCLE 2022-20)25		
Module/subject name:			MICROBIOLOGY AND PARASITOLOGY				
Direction:			NURSING				
Level of study*:			I degree (ba	chelor's)			
				aster's degree)			
Profile of ed			practical				
Type of stud			stationary	- 1			
Type of clas	sses*:	ing*•	obligatory X supplementary □ to choose from □ Year of Semester*: 1 X 2 □ 3□ 4□ 5 □ 6□				
Year and semester of studies*:		study*: I X II \square III \square					
Number of 1	ECTS credits a	ssigned	1,5				
	f instruction:	8	English				
Name of the	PSW Departr	nent:	Faculty of H	Health Sciences			
Contact (tel	./email):		Tel. 55 279 e-mail: dzie	17 68 kanat@psw.kwi	idzyn.edu.pl		
Type of mod	dule/subject re	lating to		ic sciences X	•		
apprentices		9		ial sciences and	humanities □		
			• scie	ence in the basic	es of nursing care		
				cialist care			
Presenter(s)			according to	the studies plan	1		
Forms of stu	udent workload	d			Student char		
Contract	***************************************	1	(41 4 1	(number of teaching	ng hours)	
plan)	rs with an acad	iemic teacner (accoraing to t	ine stuay			
Lectures (W	/)				24		
Seminar (S) E-learning (e	a_T)						
Conversatori							
Exercises (C							
Practical clas	sses (ZP)						
			rding to the study plan)		13		
	orkload related t	o work placem	ents (accordin	ig to the study			
plan)	nt recorded od (atal mumban			37		
	nt workload – t ECTS credits p		odule			1.5, including 0.5 BUNA	
Didactic met		• giving (lec	·		1.5, metuding 0.5	BUNA	
• programma		atic (using audiovisual tools, boards), f clinical cases.					
Assumptions	s and aim of		by the student of the ability to use knowledge in the field of general and				
the subject		specific micro	obiology, assess the effectiveness of disinfection and sterilization,				
			structure and function of the immune system, and its operation, and				
			ne mechanisms of immune reactions. ultimedia projector, boards.				
			of biology at the high school level. Basic biology skills.				
Matri	r of loor	utoomas f	the medule /	aubiostin male	tion to the methods of	ifvina tha	
					tion to the methods of veri f implementation of didac		
acineve	ement of the m	tended learnin	ing outcomes		erifying the achievement of	Form of	
Symbol Students who pass the m			the intend		ded learning outcomes	implementation	
learning		pass the modu/ //understand/be			of dida		
effect	WIII KIIOW	//understand/be	e able to:			classes * enter the	
						symbol	
A.W17.		classification		TT7 ***			
organisms, including path				Written and/or oral colloquium, draft or W/		W/BUNA	
organisms and those pres				oral reply			
	1 Harrian physic					I	

A.W18.	Knows the basic concepts of microbiology and parasitology and the methods used in microbiological diagnosis	Written and/or oral colloquium, draft or oral reply	W/BUNA
A.W19.	Characterises the different groups of medicinal agents, their main mechanisms of action and the transformations in the body and side effects they cause.	Written and/or oral colloquium, draft or oral reply	W/BUNA
A.U6.	Recognises the most common human parasites on the basis of their structure, life cycles and the disease symptoms they cause.	Written and/or oral colloquium, draft or oral reply	W/BUNA
O.K7.	Recognises and acknowledges his/her own limitations in knowledge, skills and social competence and makes a self-assessment of deficits and learning needs.	Observation, self-assessment	W/BUNA

^{*}W-lecture; S-seminar; EL- e-learning; K -conversations; Ć-exercises; ZP-practical classes; PZ-professional internships; BUNA-independent student work

EXAMPLES OF METHODS FOR THE VERIFICATION OF LEARNING OUTCOMES

<u>in the field of knowledge (lectures/seminars):</u> spoken exam (non-standardized, standardized, traditional, problem); written exam – the student generates / recognizes the answer (essay, report; short structured questions /SSQ/; multiple-choice test /MCQ/; multiple-answer test /MRQ/; match test; T/N test; answer completion test),

<u>in terms of skills (exercises/seminars):</u> Practical examination; Objective Structured Clinical Examination (OSCE); Mini-CEX (mini – clinical examination); Implementation of the commissioned task; Design, presentation

in the field of social competences: reflective essay; prolonged observation by the tutor / teacher of the teacher; 360° assessment (opinions of teachers, colleagues, patients, other colleagues); Self-assessment (including portfolio)

BUNA – the student's own work is verified by assessing the degree of implementation of the assumed learning outcomes: a test checking the student's knowledge of the subject specified in the syllabus, but also through final papers, projects, presentations and any other mid-term work.

and any other mid-term work.						
TABLE OF PRO	TABLE OF PROGRAMME CONTENTS					
Program content	Number of hours	Reference of learning outcomes to CLASSES				
LECTURES, semester I						
1. Structure, morphology, physiology of bacteria.	2	A.W17. A.W18. A.U6. O.K7.				
2. Physiological flora of man. Carriage of pathogenic microorganisms. Detailed bacteriology.		A.W17. A.W18. A.U6. O.K7.				
3. Structure, morphology, physiology of filamentous fungi and yeasts. Fungi as pathogens of man	2	A.W17. A.W18. A.U6. O.K7.				
4. Characteristics of viruses. The most important pathogenic viruses.	2	A.W17. A.W18. A.U6. O.K7.				
5. Division of parasites. The most common parasitic diseases.	3	A.W17. A.W18. A.U6. O.K7.				
6. Food poisoning and infections.	3	A.W18. A.U6. O.K7.				
7. Systemic infections.	3	A.W18. A.U6. O.K7.				
8. Basic knowledge of immunology and epidemiology.	2	A.W18. A.U6. O.K7.				
9. Vaccines and immune sera. Preventive Vaccinatio Program in Poland.	n 2	A.W18. A.W19. A.U6. O.K7.				
10. Principles of rational antibiotic therapy. Empirical targeted, sequential antibiotic therapy. Mechanism of bacterial resistance to antibiotics and chemotherapeutic agents.		A.W18. A.W19. A.U6. O.K7.				
BUNA - independent student work, semester I						
1. Broadening the knowledge of the metabolism of bacteria and fungi.	4	A.W18. A.U6. O.K7.				
2. Broadening the knowledge of viral diseases occurring in humans.	4	A.W17. A.U6. O.K7.				
3. Broadening the knowledge in the field of infection disease prevention, immunology and epidemiology.	5	A.W19. A.U6. O.K7.				
LIST OF LITERATURE						

Basic literature:

- 1. Murray P. R., *Murray's Basic Medical Microbiology: Foundations and Clinical*, Elsevier Health Sciences Division, 2023.
- 2. Sandhya Bhat, Apurba S Sastry, Essentials of Medical Parasitology, JP Medical Publishers, 2018.

Suplementary literature:

1. Gupte S., The Short Textbook of Medical Microbiology for Nurses, JP Medical Publishers, cop. 2017.

Forms of assessment and basic assessment criteria/examination requirements

Form of assesment

- Exam lectures
- Credit without evaluation BUNA

Forms and criteria of obtaining credit

Lecture:

- The basis for obtaining credit is:
- active participation in lectures (joining the discussion initiated by the lecturer, showing interest in the issues discussed during the lecture),
- obtaining a positive mark in the colloquium,
- passing the BUNA

Exam:

— Takes the form of a written test, a multiple-choice test /MCQ/ with one correct answer (each correct answer is 1 point, no answer or incorrect answer 0 points, a minimum of 60% correct answers qualifies for a pass mark.

Test evaluation criteria

Assessment	Very good (5.0)	Good plus (4.5)	Good (4.0)	Sufficient plus (3.5)	Sufficient (3.0)	Insufficient (2.0)
% of correct answers	93-100%	85-92%	77-84%	69-76%	60-68%	59% and less

BUNA evaluation criteria - independent student work

Evaluation criteria	Assessment: zal/nzal	
Compliance of the content of the work with the subject of education		
Substantive assessment of work		
Evaluation of the selection and use of sources		
Assessment of the formal side of the work (footnotes, language)		
		*(recommendations for work)
	(rating)	(signature)

st if any of the criteria are not met, the work should be corrected according to the lecturer's recommendations

Conditions for making up classes missed for excused reasons:

Making up for abandoned classes is possible only in the case of a student's illness documented by sick leave or Making up missed classes is possible only in the case of a student's illness documented by a medical exemption or other fortuitous reasons. Excusing classes and passing the material covered during the period of absence is done by the lecturer conducting the classes. Both a student returning from dean's leave and a student repeating a year are obliged to attend all classes and to take examinations. Only if a grade of at least "pass" (3.0) is obtained in an examination in a given year may a student repeating a year because of another subject be exempted from the obligation to attend classes and to pass the subject.

Acceptance: Vice-Chancellor for Science and Educational Quality