



MODULE / SYLLABUS
EDUCATION CYCLE 2023-2026

Module/subject name:	PATHOLOGY		
Direction:	NURSING		
Level of study*:	I degree (bachelor's) II degree (master's degree)		
Profile of education:	practical		
Type of studies*:	stationary		
Type of classes*:	obligatory <input checked="" type="checkbox"/> supplementary <input type="checkbox"/> to choose from <input type="checkbox"/>		
Year and semester of studies*:	Year of study*: I <input checked="" type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/>	Semester*: 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/>	
Number of ECTS credits assigned	3		
Language of instruction:	English		
Name of the PSW Department:	Faculty of Health Sciences		
Contact (tel./email):	Tel. 55,279 17,68 e-mail: dziekanat@psw.kwidzyn.edu.pl		
Type of module/subject relating to apprenticeships*:	<ul style="list-style-type: none"> • basic sciences <input checked="" type="checkbox"/> • social sciences and humanities <input type="checkbox"/> • science in the basics of nursing care <input type="checkbox"/> • specialist care <input type="checkbox"/> 		
Presenter(s):	according to the studies plan		
Forms of student workload		Student charge (number of teaching hours)	
<i>Contact hours with an academic teacher (according to the study plan)</i>			
Lectures (W)		45	
Seminar (S)			
E-learning (e-L)			
Conversatories			
Exercises (C)		15	
Practical classes (ZP)			
BUNA - independent student work (according to the study plan)		15	
Student's workload related to work placements (according to the study plan)			
Total student workload – total number		75	
Number of ECTS credits per subject/module		3, including 0.5 BUNA	
Didactic methods	<ul style="list-style-type: none"> • giving (lecture, talk), • programmatic (using audiovisual tools, boards), • activating (case method, situational method, • staging method, didactic discussion, project method), • analysis of clinical cases. 		
Assumptions and aim of the subject	Obtaining by the student the acquired knowledge in the field of pathology necessary for the ability to recognize basic physiological disorders, understand and explain the pathomechanism and etiopathogenesis of the most important disease entities.		
Teaching tools	Board and multimedia projector, boards.		
Prerequisites:	Knowledge of anatomy, physiology, biochemistry and biophysics, genetics, microbiology and parasitology at the undergraduate level.		
Matrix of learning outcomes for the module / subject in relation to the methods of verifying the achievement of the intended learning outcomes and the form of implementation of didactic classes			
Symbol learning outcome	The graduate: knows and understands / is able to / is ready to	Methods for verifying the achievement of the intended learning outcomes	Form of implementation of didactic classes * enter the symbol
A.W6.	fundamental concepts in general pathology and pathology of individual systems	Written and/or oral examination, draft or oral answer	W/BUNA
A.W7.	selected concepts related to organ pathology of the circulatory, respiratory, digestive, hormonal, metabolic, genitourinary, and nervous systems;	Written and/or oral examination, draft or oral answer	W/Ć/BUNA

A.W8.	internal, external, modifiable and non-modifiable pathogenic factors;	<i>Written and/or oral examination, draft or oral answer</i>	W/Ć/BUNA
A.U3.	estimate the risk for a given disease on the basis of inheritance principles and the influence of environmental factors;	<i>Written and/or oral colloquium, draft or oral reply</i>	Ć/BUNA
O.K5.	seek expert advice when having difficulty solving the problem independently;	<i>Observation, self-assessment</i>	W/Ć/BUNA
O.K7.	perceive and recognise their own limitations in terms of knowledge, skills and social competences and carry out a self-assessment of their educational deficits and needs.	<i>Observation, self-assessment</i>	W/Ć/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

in the field of knowledge (lectures/seminars): 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*),

in terms of skills (exercises/seminars): 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.

TABLE OF PROGRAMME CONTENTS

Program content	Number of hours	Reference of learning outcomes to CLASSES
LECTURES, semester II		
1. The concept of pathomorphology, pathophysiology, disease and pathogenic agents.	4	A.W6-8., O.K5. O.K7.
2. Death and its marks.	4	
3. Circulatory disorders.	4	
4. Defense mechanisms in the body.	3	
5. Retrograde changes in organs.	3	
6. Progressive changes in various organs.	4	
7. The importance of immunity in the pathology of diseases.	3	
8. Cancer pathomorphology, the importance of screening and management.	4	
9. Pathologia of regulation of water-electrolyte and acid-base balance.	3	
10. Pathology of inflammation and its types.	3	
11. Pathology of shock.	3	
12. Pathology of coagulation disorders.	3	
13. Disorders of carbohydrate, fat and protein metabolism.	4	
EXERCISES, semester II		
1. Pathology of individual systems.	3	A.W7-8., A.U3., O.K5. O.K7.
2. Changes in the cardiovascular system.	3	
3. Respiratory disorders.	3	
4. Pathology of the digestive system.	3	
5. Disorders in the endocrine system.	3	
BUNA - independent student work, semester II		
1. The importance of various pathogens in the formation of diseases.	3	A.W6-8., A.U3., O.K5. O.K7.
2. Fine needle biopsy of organs – its role in the diagnosis of diseases.	3	
3. The importance of precancerous conditions in the formation of cancer.	3	

4. Conduct and recognition of various causes of shock.	3	
5. Disturbances in water-electrolyte balance in the pathogenesis of diseases of various organs.	3	

LIST OF LITERATURE

Basic literature:

- Richard Mitchell, Vinay Kumar, Abul K. Abbas, Jon C. Aster, *Pocket Companion to Robbins & Cotran Pathologic Basis of Disease*, Elsevier, 2023
- Shreelata T Datta, Philip Xiu, Olivia Mckinney, Isabel Woodman, *Crash Course Pathology*, Elsevier, 2022

Supplementary literature:

- James Carton, *Oxford Handbook of Clinical Pathology*, OUP Oxford, 2017

Method of passing and forms and basic assessment criteria/examination requirements

Method of credit

- Exam – lectures
- Passing with grade – exercises
- Passing without a grade – BUNA

Forms and criteria for passing

PASSING THE SUBJECT - THE SUBJECT ENDS WITH AN EXAM

Lecture:

The basis for obtaining credit/zal is:

- presence of 100%; confirmed by an entry on the attendance list,
- possible 10% absence balanced in a manner individually agreed with the lecturer,
- active participation in lectures (joining the discussion initiated by the lecturer, showing interest in the issues discussed during the lecture),

Exercises/seminars

The basis for obtaining credit for the assessment is:

- presence of 100%; confirmed by an entry on the attendance list,
- active participation in the exercises (joining the discussion initiated by the lecturer, showing interest in the issues discussed during the exercises,)
- correct, positively assessed oral answer to 3 questions in the field of content related to learning outcomes in the field of knowledge and skills, asked to the student during the exercises,

Evaluation criteria — spoken answer

Assessment	Criterion
Very good	Correct, full, independent answer to 3 questions asked to the student by the lecturer
Endorsement	Correct, requiring little orientation by the teacher, answer to the 3 questions asked to the student
Sufficient	Correct, incomplete, requiring significant orientation by the teacher answer to the 3 questions asked to the student
Insufficient	No answer or incorrect answer to each of the 3 questions asked to the student

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)

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

FINAL EXAM IN THE SUBJECT

- The condition for admission to the exam is to obtain credit from lectures and exercises / seminars and pass BUNA (project)
- The 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% of the answers qualifies for a positive assessment.

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

and/or reply orally

Evaluation criteria – oral answer

Assessment	Criterion
Very good	Correct, full, independent answer to 3 questions asked to the student by the lecturer
Endorsement	Correct, requiring little orientation by the teacher, answer to the 3 questions asked to the student
Sufficient	Correct, incomplete, requiring significant orientation by the teacher answer to the 3 questions asked to the student
Insufficient	No answer or incorrect answer to each of the 3 questions asked to the student

FINAL GRADE IN THE SUBJECT:

- the exam accounts for 60% of the final grade in the subject
- the remaining 40% is the average grade from other forms of classes

The final grade is recalculated according to the following criteria:

- 3.0 -3.24 – sufficient (3.0)
- 3.25 -3.74 – sufficient (3.5)
- 3.75 -4.24 – good (4.0)
- 4.25-4.74 – good plus (4.5)
- 4.75 -5.0 – very good (5.0)

Conditions for making up classes abandoned for justified reasons:

Making up for abandoned classes is possible only in the case of a student's illness documented by sick leave or other random reasons. Justification of classes and passing of the material being the subject of exercises during the period of absence is made by the lecturer conducting the classes.

Both a student returning from dean's leave and a student repeating the year is obliged to attend all classes and take the exam. Only if the exam in a given year has been obtained with at least a sufficient grade (3.0), a student repeating the year due to another subject may be exempted from the need to attend classes and pass and pass the subject.

Acceptance: Vice-Rector for Teaching and Student Affairs