



MODULE / SYLLABUS
EDUCATION CYCLE 2022-2025

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 X supplementary <input type="checkbox"/> to choose from <input type="checkbox"/>		
Year and semester of studies*:	Year of study*: I X II <input type="checkbox"/> III <input type="checkbox"/>	Semester*: 1 <input type="checkbox"/> 2 X 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 X • 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 (<i>according to the study plan</i>)			
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	Students who pass the module (subject) will know/understand/be able to:	Methods for verifying the achievement of the intended learning outcomes	Form of implementation of didactic classes * enter the symbol
A.W6.	Presents basic concepts of general pathology and pathology of individual body systems.	<i>Written and/or oral examination, draft or oral answer</i>	W/BUNA
A.W7.	Presents selected topics in organ pathology of the cardiovascular system, respiratory system, digestive system, endocrine system, metabolic system, genitourinary system and nervous system.	<i>Written and/or oral examination, draft or oral answer</i>	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.W26	Demonstrates imaging methods and principles of imaging by these methods and principles of radiological protection.	<i>Written and/or oral colloquium, draft or oral reply</i>	W/Ć/BUNA
A.U2	Links images of tissue and organ damage to clinical signs of disease, history and diagnostic findings;	<i>Written and/or oral colloquium, draft or oral reply</i>	W/Ć/BUNA
A.U3.	Estimates the risk of manifestation of a given disease based on the principles of heredity and the influence of environmental factors.	<i>Written and/or oral colloquium, draft or oral reply</i>	Ć/BUNA
O.K5.	Seeks expert advice when having difficulty solving a problem independently.	<i>Observation, self-assessment</i>	W/Ć/BUNA
O.K7.	Recognises and acknowledges own limitations in terms of knowledge, skills and social competences and makes a self-assessment of deficits and learning 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 hallmarks.	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 disease pathology	3	
8. Pathomorphology of cancer, importance of screening and management.	4	
9. Pathology of water-electrolyte and acid-base balance regulation.	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. Disorders of the respiratory system.	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 onset of disease.	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. Water and electrolyte disorders 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

Form of assesment

- Exam – lectures
- Pass mark – exercises
- Credit without evaluation BUNA

Forms and criteria of obtaining credit

- CREDIT OF THE COURSE - THE COURSE ENDS WITH AN EXAM

Lecture:

- The basis for obtaining credit/zal is:
- 100% attendance; confirmed by an entry on the attendance register,
- possible 10% absence compensated in a way individually established with the teacher,
- 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 is:
- attendance 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,)
- A positive mark from the test - a test including single-choice, multiple-choice and supplementary questions. A full, correct answer gives the student 1 point, an incorrect or missing answer gives 0 points, a minimum of 60% of correct answers qualifies for a positive mark.

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

- A prerequisite for admission to the examination is a pass in the lectures and exercises and a pass in the BUNA (project).

- The exam is in the form of a written test, 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

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 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