MODULE / SYLLABUS
EDUCATION CYCLE 2023-2026

Module/subject name:	**SCIENTIFIC RESEARCH IN NURSING**	
Direction:	**NURSING**	
Level of study*:	**I degree (bachelor's)** II degree (master's degree)	
Profile of education:	**practical**	
Type of studies*:	**stationary /** non-stationary	
Type of classes*:	mandatory **X** supplementary □ to choose from □	
Year and semester of studies*:	Year of study*: I □ II **X** III □	Semester*: 1□ 2 □ 3 **X** 4 **X** 5 □ 6□
Number of ECTS credits assigned	**2**	
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*:	• basic □ sciences • social sciences and humanities □ • science in the basics of nursing care □ • **specialist care sciences X**	
Person responsible for the module/subject:	according to the studies plan	
Presenter(s):	according to the studies plan	

Forms of student workload	**Student charge (number of teaching hours)**
Contact hours with an academic teacher (according to the study plan)	
Lectures (W)	
Seminar (S)	
E-learning (e-L)	
Conversatories	
Exercises (C)	**30**
Practical classes (ZP)	
BUNA - independent student work* (*according to the study plan)	**20**
Student's workload related to work placements (***according to the study plan)***	
Total student workload – total number	**50**
Number of ECTS credits per subject/module	**2, including 1 BUNA**

Didactic methods	• programmatic (using audiovisual tools, boards), • activating (case method, situational method),, • analysis of clinical cases.
Assumptions and aim of the subject	— Preparation for conducting scientific research in the field of nursing. — Familiarization with legal regulations in the field of intellectual property protection. — Indication of ethical aspects of scientific research.
Teaching tools	Board and multimedia projector, boards.
Prerequisites:	Knowledge of issues from the social sciences, sciences in the field of the basics of nursing care, including the basics of nursing, health promotion, primary health care.

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
D.W38.	the subject, aim, research area and paradigms of nursing;	*Implementation of the commissioned task, project, oral response*	Ć/BUNA
D.W39.	research methods and techniques;	*Implementation of the commissioned task, project, oral response*	Ć/BUNA
D.W40.	principles of research ethics and basic regulations concerning copyright laws and intellectual property protection.	*Implementation of the commissioned task, project, oral response*	Ć/BUNA
D.U31.	critically analyse published research results;	*Implementation of the commissioned task, project, oral response*	Ć/BUNA
D.U32.	carry out qualitative research project using research tools.	*Implementation of the commissioned task, project, oral response*	Ć/BUNA
O.K3.	exercise the profession autonomously and with integrity in accordance with ethical principles, including adherence to moral values and obligations in patient care;	*Implementation of the commissioned task, project, oral response, prolonged observation by the teacher, self-assessment*	Ć/BUNA
O.K4.	take responsibility for their professional activities;	*Implementation of the commissioned task, project, oral response, prolonged observation by the teacher, self-assessment*	Ć/BUNA
O.K5.	to seek expert advice when having difficulty solving the problem independently;	*Implementation of the commissioned task, project, oral response, prolonged observation by the teacher, self-assessment*	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	*Implementation of the commissioned task, project, oral response, prolonged observation by the teacher, self-assessment*	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): oral 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**
EXERCISES, semester I, IV		
1. The essence and concept of methodology. Elements of knowledge about science and scientific cognition. Paradigms of nursing.	2	D.W38-40., D.U31-32., O.K3-5., O.K7.
2. The research process and its stages.	2	
3. Test methods applicable in nursing.	2	
4. Research tools.	3	
5. Typology of scientific research.	3	
6. The structure of the scientific work and its evaluation.	3	

7. Ethics in scientific research.	2	
8. Protection of intellectual property.	2	
9. Sources of scientific information, preparation of footnotes and references to scientific studies.	2	
10. Methods and techniques of research.	3	
11. Principles of constructing research tools.	3	
12. Interpreting empirical data and inference.	3	
BUNA – independent student work, semester I, IV		
1. Acquisition, collection and analysis of literature.	8	D.W38-40., D.U31-32., O.K3-5., O.K7.
2. Constructing a research project as part of qualitative research.	6	
3. Critical analysis of published scientific research results.	6	

LIST OF LITERATURE

Basic literature:

1. Susan K. Grove, Jennifer R. Gray, *Understanding Nursing Research Building an Evidence-Based Practice*, Elsevier, cop. 2022.

Supplementary literature:

1. Pam Moule, *Making Sense of Research in Nursing, Health and Social Care*, SAGE Publications, cop. 2020.

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

Method of credit

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

Forms and criteria for passing

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 relating to learning outcomes in the field of knowledge and skills, asked to the student during the exercises.

Criteria for assessing knowledge from each question – oral answer

No.	Criterion	Number of points 0-5
	Correctness of answers	
	Relevance of problem recognition	
	Current medical and health sciences knowledge	
	Interdisciplinary knowledge	
	Correctness of medical /professional vocabulary	
	Independence and creativity in proposing solutions	
	Together	

*Obtaining 0-1 points under any criterion results in an insufficient grade

Number of points and rating:

30-28 - very good (5.0) - the student gives a completely comprehensive and correct answer to the question asked, freely uses the factually correct scientific language, taking into account in the oral answer current medical knowledge, demonstrates ease in solving problems arising from the task, skillfully combines knowledge from various scientific fields, demonstrates the originality of his own thoughts.

27-25 - plus good (4.5) - the student gives the correct answer to the question asked, uses scientific language, taking into account in the oral answer current medical knowledge, solves problems arising from the task, combines knowledge from several scientific fields.

24-22 - good (4.0) - the student gives a basically independent answer, which contains most of the required content, few errors in the answer are allowed (secondary from the point of view of the topic), uses current medical knowledge that requires little supplementation, the answer is correct in terms of scientific language, the accuracy of recognizing problems requiring little improvement, the answer and should include the student's own conclusions.

21-19 - plus sufficient (3.5) - the student gives a basically independent answer, which contains most of the required content, makes few, primary errors in the answer, the student knows the most important facts and can interpret them

and select the most important problems, uses medical knowledge that is not always up-to-date, in response takes into account knowledge only in a given field, makes mistakes in using scientific language, requires help in drawing conclusions.

18-16 - sufficient (3.0) - the student gives an answer containing some of the required information, making mistakes, but with the help of the teacher corrects his answer, both in terms of substantive knowledge and in the way it is presented, but the student knows the basic facts and with the help of the teacher gives an answer to the question posed.

Project
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 GRADE IN THE SUBJECT

— average grade from three questions.

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