



**MODULE / SYLLABUS**  
**EDUCATION CYCLE 2022-2025**

|                                                                                      |                                                                                                                                                                                                                                                                                                  |                                                                                                                                              |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Module/subject name:</b>                                                          | <b>SCIENTIFIC RESEARCH IN NURSING</b>                                                                                                                                                                                                                                                            |                                                                                                                                              |
| <b>Direction:</b>                                                                    | <b>NURSING</b>                                                                                                                                                                                                                                                                                   |                                                                                                                                              |
| <b>Level of study*:</b>                                                              | <b>I degree (bachelor's)</b><br>II degree (master's degree)                                                                                                                                                                                                                                      |                                                                                                                                              |
| <b>Profile of education:</b>                                                         | <b>practical</b>                                                                                                                                                                                                                                                                                 |                                                                                                                                              |
| <b>Type of studies*:</b>                                                             | <b>stationary</b> / non-stationary                                                                                                                                                                                                                                                               |                                                                                                                                              |
| <b>Type of classes*:</b>                                                             | mandatory <b>X</b> supplementary <input type="checkbox"/> to choose from <input type="checkbox"/>                                                                                                                                                                                                |                                                                                                                                              |
| <b>Year and semester of studies*:</b>                                                | Year of study*: I <input type="checkbox"/><br>II <b>X</b> III <input type="checkbox"/>                                                                                                                                                                                                           | Semester*: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <b>X</b> 4 <b>X</b> 5 <input type="checkbox"/> 6 <input type="checkbox"/> |
| <b>Number of ECTS credits assigned</b>                                               | <b>2</b>                                                                                                                                                                                                                                                                                         |                                                                                                                                              |
| <b>Language of instruction:</b>                                                      | <b>English</b>                                                                                                                                                                                                                                                                                   |                                                                                                                                              |
| <b>Name of the PSW Department:</b>                                                   | <b>Faculty of Health Sciences</b>                                                                                                                                                                                                                                                                |                                                                                                                                              |
| <b>Contact (tel./email):</b>                                                         | <b>Tel. 55,279 17,68</b><br><b>e-mail: dziekanat@psw.kwidzyn.edu.pl</b>                                                                                                                                                                                                                          |                                                                                                                                              |
| <b>Type of module/subject relating to apprenticeships*:</b>                          | <ul style="list-style-type: none"> <li>• basic <input type="checkbox"/> sciences</li> <li>• social sciences and humanities <input type="checkbox"/></li> <li>• science in the basics of nursing care <input type="checkbox"/></li> <li>• <b>specialist care sciences X</b></li> </ul>            |                                                                                                                                              |
| <b>Person responsible for the module/subject:</b>                                    | according to the studies plan                                                                                                                                                                                                                                                                    |                                                                                                                                              |
| <b>Presenter(s):</b>                                                                 | according to the studies plan                                                                                                                                                                                                                                                                    |                                                                                                                                              |
| <b>Forms of student workload</b>                                                     |                                                                                                                                                                                                                                                                                                  | <b>Student charge<br/>(number of teaching hours)</b>                                                                                         |
| <i>Contact hours with an academic teacher (according to the study plan)</i>          |                                                                                                                                                                                                                                                                                                  |                                                                                                                                              |
| Lectures (W)                                                                         |                                                                                                                                                                                                                                                                                                  |                                                                                                                                              |
| Seminar (S)                                                                          |                                                                                                                                                                                                                                                                                                  |                                                                                                                                              |
| E-learning (e-L)                                                                     |                                                                                                                                                                                                                                                                                                  |                                                                                                                                              |
| Conversatories                                                                       |                                                                                                                                                                                                                                                                                                  |                                                                                                                                              |
| Exercises (C)                                                                        |                                                                                                                                                                                                                                                                                                  | <b>30</b>                                                                                                                                    |
| Practical classes (ZP)                                                               |                                                                                                                                                                                                                                                                                                  |                                                                                                                                              |
| <b>BUNA - independent student work (according to the study plan)</b>                 |                                                                                                                                                                                                                                                                                                  | <b>20</b>                                                                                                                                    |
| Student's workload related to work placements ( <i>according to the study plan</i> ) |                                                                                                                                                                                                                                                                                                  |                                                                                                                                              |
| <b>Total student workload – total number</b>                                         |                                                                                                                                                                                                                                                                                                  | <b>50</b>                                                                                                                                    |
| <b>Number of ECTS credits per subject/module</b>                                     |                                                                                                                                                                                                                                                                                                  | <b>2, including 0 BUNA</b>                                                                                                                   |
| <b>Didactic methods</b>                                                              | <ul style="list-style-type: none"> <li>• programmatic (using audiovisual tools, boards),</li> <li>• activating (case method, situational method),,</li> <li>• analysis of clinical cases.</li> </ul>                                                                                             |                                                                                                                                              |
| <b>Assumptions and aim of the subject</b>                                            | <ul style="list-style-type: none"> <li>— Preparation for conducting scientific research in the field of nursing.</li> <li>— Familiarization with legal regulations in the field of intellectual property protection.</li> <li>— Indication of ethical aspects of scientific research.</li> </ul> |                                                                                                                                              |
| <b>Teaching tools</b>                                                                | Board and multimedia projector, boards.                                                                                                                                                                                                                                                          |                                                                                                                                              |
| <b>Prerequisites:</b>                                                                | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                     |                                                                                                                        |                                                                  |
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| Symbol learning outcome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Students who pass the module (subject) know/understand/are able to:                                                                                                 | Methods for verifying the achievement of the intended learning outcomes                                                | Form of implementation of didactic classes<br>* enter the symbol |
| D.W38.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Characterizes the subject, purpose, area of scientific research and paradigms of nursing.                                                                           | Implementation of the commissioned task, project, oral reply                                                           | Ć/BUNA                                                           |
| D.W39.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Discusses methods and techniques of conducting scientific research.                                                                                                 | Implementation of the commissioned task, project, oral reply                                                           | Ć/BUNA                                                           |
| D.W40.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Presents the principles of ethics in conducting scientific research and basic legal regulations in the field of copyright and intellectual property law.            | Implementation of the commissioned task, project, oral reply                                                           | Ć/BUNA                                                           |
| D.U31.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Critically analyzes published scientific research results.                                                                                                          | Implementation of the commissioned task, project, oral reply                                                           | Ć/BUNA                                                           |
| D.U32.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Conducts a qualitative study, using research tools.                                                                                                                 | Implementation of the commissioned task, project, oral reply                                                           | 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.K5.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Solicits expert opinion when having difficulty solving a problem independently.                                                                                     | Implementation of the commissioned task, project, oral response, prolonged observation by the teacher, self-assessment | Ć/BUNA                                                           |
| O.K7.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Perceives and recognizes own limitations in knowledge, skills and social competence, and makes self-assessment of deficits and educational 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                     |                                                                                                                        |                                                                  |
| <b>EXAMPLES OF METHODS FOR THE VERIFICATION OF LEARNING OUTCOMES</b><br><b>in the field of knowledge (lectures/seminars):</b> oral exam ( <i>non-standardized, standardized, traditional, problem</i> ); written exam – the student generates / recognizes the answer ( <i>essay, report; short structured questions /SSQ/; multiple-choice test /MCQ/; multiple-answer test /MRQ/; match test; T/N test; answer completion test</i> ),<br><b>in terms of skills (exercises/seminars):</b> Practical examination; Objective Structured Clinical Examination (OSCE); Mini-CEX (mini – clinical examination); Implementation of the commissioned task; Design, presentation<br><b>in the field of social competences:</b> reflective essay; prolonged observation by the tutor / teacher of the teacher; 360° assessment (opinions of teachers, colleagues, patients, other colleagues); Self-assessment (including portfolio)<br><b>BUNA</b> – 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 of science and scientific cognition. Paradigms of nursing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                     | 2                                                                                                                      | D.W38-40., D.U31-32., O.K5., O.K7.                               |
| 2. The research process and its stages.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                     | 2                                                                                                                      |                                                                  |
| 3. Test methods applicable in nursing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                     | 2                                                                                                                      |                                                                  |
| 4. Research tools.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                     | 3                                                                                                                      |                                                                  |
| 5. Structure of scientific work and its evaluation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                     | 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 |                                        |
| <b>BUNA – independent student work, semester I, IV</b>                                               |   |                                        |
| 1. Acquisition, collection and analysis of literature.                                               | 8 | D.W38, D.W40., D.U31-32., O.K5., O.K7. |
| 2. Constructing a research design 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:

- attendance 100%; confirmed by an entry on the attendance list,
- active participation in exercises (joining the discussion initiated by the lecturer, showing interest in the issues discussed during the exercises),
- correct, positively evaluated oral answer to 3 questions from the content related to the 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 given question, freely uses factually correct scientific language, taking into account current medical knowledge in the oral answer, demonstrates ease in solving problems arising from the task, skillfully combines knowledge from various scientific fields, demonstrates originality of own thoughts.

27-25 - plus good (4.5) - the student gives a correct answer to the question, uses scientific language, taking into account current medical knowledge in an oral answer, 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, a few errors in the answer are allowed (secondary from the point of view of the topic), uses current medical knowledge requiring minor supplementation, the answer is correct in terms of scientific language, accuracy of recognition of problems requiring minor improvement, in the answer and should include independent conclusions of the student.

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 is able to interpret them and identify the most important problems, uses medical knowledge not always up-to-date, in the answer takes into account knowledge only of the field, makes errors in the use of 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 factual knowledge and in the way it is presented, the student, however, 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 missed classes for excused reasons:

Making up missed classes is possible only in the case of a student's illness documented by a medical exemption or other fortuitous reasons. Excuses for classes and credit for the material covered in lectures, exercises, practical classes during the period of absence are made by the lecturer in charge of the class, and the internship is made by the internship coordinator. Both the student returning from dean's leave and the student repeating the year are required to attend all classes and take the credit/examination. Only in the case of obtaining at least a pass/examination grade (3.0) in a given year, a student repeating a year due to another subject may be exempted from having to attend classes and take and pass the subject.

**Acceptance: Vice-Chancellor for Science and Educational Quality**