



MODULE / SYLLABUS
EDUCATION CYCLE 2023-2026

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|---|---|--|--|
| Module/subject name: | | HEALTHCARE INFORMATION SYSTEM | |
| 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 <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 X 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> |
| Number of ECTS credits assigned | | 1 | |
| 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 type="checkbox"/>• social sciences and humanities <input type="checkbox"/>• basic nursing care science X• specialist care <input type="checkbox"/> | |
| 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) | | 15 | |
| Seminar (S) | | | |
| E-learning (e-L) | | | |
| Conversatories | | | |
| Exercises (C) | | 15 | |
| Practical classes (ZP) | | | |
| BUNA - independent student work (according to the study plan) | | | |
| Student's workload related to work placements (according to the study plan) | | | |
| Total student workload – total number | | 30 | |
| Number of ECTS credits per subject/module | | 1, including 0 BUNA | |
| Didactic methods | <ul style="list-style-type: none">• giving (lecture, talk),• programmatic (using audiovisual tools, boards).• design method,• laboratory method. | | |
| Assumptions and aim of the subject | Preparing students to use modern information technologies and their practical application. | | |
| Teaching tools | Board and multimedia projector, boards. | | |
| Prerequisites | Basics of nursing, public health, basics of high school computer science. | | |
| 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 |
| C.W39. | structure and functioning of the Medical Information System (SIM), domain- specific ICT systems and medical registers, as well as their interrelations; | Written and/or oral colloquium | W |
| C.W40. | methods, tools and techniques of data acquisition; | Written and/or oral colloquium | W |

| C.U50. | interpret and make use of the functional assumptions of information systems using advanced information methods and technologies when carrying out and contracting healthcare services; | <i>Written and/or oral colloquium</i> | Ć |
|--|--|---------------------------------------|---|
| C.U51. | make practical use of medical records and follow the principles of safety and secrecy of medical data and the right to intellectual property protection | <i>Written and/or oral colloquium</i> | Ć |
| O.K2. | respect patients' rights; | <i>Observation</i> | W/C |
| 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</i> | W/C |
| *W-lecture; S-seminar; EL- e-learning; K -conversations; Ć-exercises; ZP-practical classes; PZ-professional internships; BUNA-independent student work | | | |
| EXAMPLES OF METHODS FOR THE VERIFICATION OF LEARNING OUTCOMES <u>in the field of knowledge (lectures/seminars):</u> 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>), <u>in terms of skills (exercises/seminars):</u> Practical examination; Objective Structured Clinical Examination (OSCE); Mini-CEX (mini – clinical examination); Implementation of the commissioned task; Design, presentation <u>in the field of social competences:</u> 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 VI | | | |
| 1. Computer science in nursing. | | 3 | C.W39. C.W40. O.K2. O.K7. |
| 2. Health and information solutions. | | 3 | |
| 3. Information management. | | 3 | |
| 4. Teaching. | | 2 | |
| 5. Selected issues of integration and interoperability of medical information technology systems. | | 2 | |
| 6. Reference terminology and its relevance to practice. | | 2 | |
| EXERCISES, semester VI | | | |
| 1. Nursing records. | | 2 | C.W39. C.W40. C.U50. C.U51. O.K2. O.K7. |
| 2. Health and IT solutions. | | 2 | C.W39. C.W40. C.U50. C.U51. O.K2. O.K7. |
| 3. The method of work of a nurse in clinical practice. | | 3 | C.W39. C.W40. C.U50. C.U51. O.K2. O.K7. |
| 4. The process of nurturing and the use of reference terminology. | | 3 | C.W39. C.W40. C.U50. C.U51. O.K2. O.K7. |
| 5. The role of nurses in computer science. | | 2 | C.W39. C.W40. C.U50. C.U51. O.K2. O.K7. |
| 6. Research. | | 3 | C.W39. C.W40. C.U50. C.U51. O.K2. O.K7. |
| LIST OF LITERATURE | | | |
| Basic literature: 1. Alexander Thomas, Girdha J Gyani, <i>Handbook of Healthcare Quality & Patient Safety</i> , JP Medical Publishers, cop. 2021. Supplementary literature: 1. Martin McKee, Alison Krentel, <i>Issues in Public Health: Challenges for the 21st Century</i> , Open University Press, cop. 2022. | | | |
| Method of passing and forms and basic assessment criteria/examination requirements | | | |
| Method of credit — Passing with grade – lectures and exercises Forms and criteria for passing Lecture: The basis for obtaining credit is: — presence of 100%; confirmed by an entry on the attendance list, — possible 10% absence balanced in a manner individually agreed with the lecturer, | | | |

- obtaining a positive assessment from the colloquium.

Written colloquium:

- 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 correct answers qualify 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 |

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 — 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:

- average grades from the colloquium from lectures and exercises.

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