



MODULE / SYLLABUS
EDUCATION CYCLE 2024-2027

Module/subject name:		HEALTH CARE INFORMATION SYSTEM	
Direction:		NURSING	
Level of study*:		I degree (bachelor's degree) Second degree (master's)	
Education Profile:		practical	
Type of study*:		full-time / part-time	
Type of activities*:		mandatory X supplementary <input type="checkbox"/> elective <input type="checkbox"/> .	
Year and semester of study*:		Year of study*: I X II <input type="checkbox"/> III <input type="checkbox"/> .	Semester of study*: 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:		Polish	
PSW Department Name:		Faculty of Health Sciences	
Contact (tel/email):		tel. 55 279 17 68 e-mail: dziekanat@psw.kwidzyn.edu.pl	
Type of module/course relating to professional preparation*:		<ul style="list-style-type: none">• basic sciences <input type="checkbox"/>• social sciences and humanities <input type="checkbox"/>• sciences in the fundamentals of nursing care X• specialty care sciences <input type="checkbox"/>	
Person responsible for the module/subject:			
Person(s) in charge:		According to the study plan	
Forms of student workload			Student workload (number of teaching hours)
Contact hours with an academic teacher (according to the study plan)			
Lectures (W)			15
Seminar (S)			
Conversations			
Exercise (C)			15
Practical classes (ZP)			
BUNA - independent work of the student (according to the study plan).			
Student workload related to professional practice (according to the study plan)			
Total student workload - total number of			30
Number of ECTS credits for the subject/module			1, of which 0 BUNA
Didactic methods	<ul style="list-style-type: none">• Administering (lecture, talk),• Exercises: program methods (using audiovisual tools, whiteboards), project method, laboratory method.		
Assumptions and purpose of the subject	Preparing students to use modern information technologies and their practical application.		
Teaching tools	Whiteboard and multimedia projector, charts.		
Prerequisites	Fundamentals of nursing, public health, basics of computer science from high school.		
The matrix of learning outcomes for the module / subject in relation to methods of verification of achievement of the intended learning outcomes and the form of realization of learning activities			
Symbol learning outcome	Students who pass the module (subject) know/understand/are able to:	Methods of verifying the achievement of the intended learning outcomes	The form of implementation of teaching activities * enter symbol
C.W39.	Discusses the principles of construction and operation of the Medical Information System (SIM), Domain Systems and Medical Registries, as well as the principles of their interaction.	Written and/or oral colloquium	W
C.W40.	Presents data acquisition methods, tools and techniques.	Written and/or oral colloquium	W

C.U50.	Interprets and applies the functional assumptions of the information system using advanced information methods and technologies in the performance and contracting of health services.	<i>Written and/or oral colloquium</i>	Ć
C.U51.	He uses medical records in practice and respects the security and confidentiality of medical information and intellectual property protection laws.	<i>Written and/or oral colloquium</i>	Ć
O.K2.	Respect patient rights and keep patient-related information confidential.	<i>Observation</i>	W/Ć
O.K7.	Recognizes and recognizes his own limitations in knowledge, skills and social competence, and makes a self-assessment of deficits and educational needs.	<i>Observation</i>	W/Ć
*W-lecture; S-seminar; K-conversations; Ć-exercises; ZP-practical; PZ-practical; BUNA-student independent work.			
SAMPLE METHODS FOR VERIFICATION OF LEARNING OUTCOMES In terms of knowledge (lectures/lectures): oral examination (<i>non-standardized, standardized, traditional, problem-based</i>); written examination - the student generates / recognizes the answer (<i>essay, report; short structured questions /SSQ/; multiple choice test /MCQ/; multiple response test /MRQ/; matching test; T/N test; answer completion test</i>), In terms of skills (exercises/conversations): Practical exam; Objective Structured Clinical Examination /OSCE/; Mini-CEX (mini - clinical examination); Completion of an assigned task; Project, presentation. In terms of social competence: reflective essay; prolonged observation by supervisor/teacher-in-charge; 360° assessment (feedback from teachers, colleagues, patients, other colleagues); Self-assessment (including portfolio) BUNA - the student's own work is verified through an assessment of the degree of realization of the established learning outcomes: a test to check the student's knowledge of the topics specified in the syllabus, but also through credit work, projects, presentations and any other mid-semester work.			
TABLE OF PROGRAM CONTENT			
Program content		Number of hours	Relation of learning outcomes to ACTIVITIES
LECTURES, semester VI			
1. Information Technology in Nursing.		3	C.W39. C.W40. O.K2. O.K7.
2. Health and information solutions.		3	C.W39. C.W40. O.K2. O.K7.
3. Information Management.		3	C.W39. C.W40. O.K2. O.K7.
4. Teaching.		2	C.W39. C.W40. O.K2. O.K7.
5. Selected issues of integration and interoperability of medical informatics systems.		2	C.W39. C.W40. O.K2. O.K7.
6. Reference terminology and its relevance to practice.		2	C.W39. C.W40. O.K2. O.K7.
EXERCISES, semester VI			
1. Nursing documentation.		2	C.U50. C.U51. O.K2. O.K7.
2. Health and IT solutions.		2	C.U50. C.U51. O.K2. O.K7.
3. A nurse's method of working in clinical practice.		3	C.U50. C.U51. O.K2. O.K7.
4. Nursing process and use of reference terminology.		3	C.U50. C.U51. O.K2. O.K7.
5. The role of nurses in IT.		2	C.U50. C.U51. O.K2. O.K7.
6. Research.		3	C.U50. C.U51. O.K2. O.K7.
LITERATURE LIST			
Primary Literature: — Gaworska-Krzemińska A., Grabowska H., Kilańska D., <i>E-health. Introduction to informatics in nursing</i> , PZWL, Warsaw 2017.			
Supplementary literature: — None.			
Manner of passing and forms and basic evaluation criteria/examination requirements			
Method of crediting — Exam - lecture — Passing grade - exercises			

Forms and criteria for passing**Lecture:**

The basis for obtaining credit is:

- Attendance 100%; confirmed by an entry on the attendance list,
- possible 10% absence balanced in a manner individually agreed with the class instructor,
- getting a passing grade on the exam

Written exam:

- takes 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 passing grade.

Grading criteria for the test

Evaluation	Very Good (5.0)	Good plus (4.5)	Good (4.0)	Sufficient plus (3.5)	Sufficient (3.0)	Unsatisfactory (2.0)
% of correct answers	93-100%	85-92%	77-84%	69-76%	60-68%	59% and below

Exercises:

The basis for obtaining credit for a grade 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 response to 3 questions from the content related to the learning outcomes of knowledge and skills, asked to the student during the exercise,

Grading criteria - oral answer

Evaluation	Criterion
Very good	Correct, complete, independent response to 3 questions posed to the student by the instructor
Good	Correct answer to 3 questions posed to the student, requiring little direction from the teacher
Sufficient	Correct, incomplete, requiring significant direction from the teacher to answer 3 questions posed to the student
Insufficient	No answer or incorrect answer to each of the 3 questions asked of the student

FINAL COURSE GRADE:

- The average of the pass marks of lectures and exercises.

The final grade is recalculated according to the 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 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 during the period of absence are made by the lecturer conducting the class.

Both a student returning from dean's leave and a student repeating a year are required to attend all classes and take the exam. Only in the case of obtaining a grade of at least satisfactory (3.0) on an exam in a given year, a student repeating a year due to another subject may be exempted from having to attend classes and pass and pass the subject.

**Acceptance:
pro-rector for teaching
affairs**