



MODULE / SYLLABUS
EDUCATION CYCLE 2022-2025

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 <input checked="" type="checkbox"/> supplementary <input type="checkbox"/> to choose from <input type="checkbox"/>	
Year and semester of studies*:		Year of study*: I <input checked="" type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/>	Semester*: 1 <input checked="" type="checkbox"/> 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)	
<i>Contact hours with an academic teacher (according to the study plan)</i>			
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 (<i>according to the study plan</i>)			
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	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 * enter the 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.	<i>Written and/or oral colloquium</i>	W
C.W40.	Presents methods, tools and techniques for data acquisition.	<i>Written and/or oral colloquium</i>	W
C.U50.	Interprets and applies the functional assumptions of the information system using advanced methods and information technology in the performance and contracting of health services.	<i>Written and/or oral colloquium</i>	Ć
C.U51.	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.	Respects patient's rights and keeping patient-related information confidential.	<i>Observation</i>	W/C
O.K7.	Recognizes and recognizes his/her own limitations in knowledge, skills and social competencies and performs self-assessment of deficits and educational 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

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
LECTURES, semester VI		
1. Informatics 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 informatics 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. Nursing work method in clinical practice.	3	C.W39. C.W40. C.U50. C.U51. O.K2. O.K7.
4. The nursing process 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, *Handbook of Healthcare Quality & Patient Safety*, JP Medical Publishers, cop. 2021.

Supplementary literature:

1. Martin Mckee, Alison Krentel, *Issues in Public Health: Challenges for the 21st Century*, Open University Press, cop. 2022.

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

- Passing with grade – lectures
- Passing with grade - excersises

Forms and criteria for passing**Lecture:**

The basis for obtaining credit is:

- 100% attendance; confirmed by an entry on the attendance list,
- possible 10% absence balanced in a manner individually agreed with the instructor,
- obtaining a positive assessment of the exam

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

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