

COURSE SYLLABUS

General Information:

Organizational unit:	Department of Nursing				
Field of study:	Nursing				
Specialty/Specialization:					
Name of classes / class groups	Neurology and Neurological Nursing				
Course / group of courses:	Neurology and Nursing in Neurology				
Form of study:	full-time				
Directory Name:	WOZ-PL-I-24/25Z				
Name of the class block:					
Class/class group code:	305239	Erasmus code:			
ECTS points:	6	Type of classes:		compulsory	
Year of study:	3	Term:		5	
Year	Term	Form of classes	Number of hours	Form of credit	ECTS
3	5	ĆM	80 (w tym 8 godz. w MCSM)	Credit by mark	3
		SK	25	Credit	0
		W	60	Examination	3
Total			165		6
Coordinator:	Małgorzata Kołpa, PhD, MSN, RN				
Language of teaching:	term: 5 - Polish language				

Explanations:

Type of classes: mandatory, elective

Form of instruction: W - lecture, Ć - practical classes, L - lecture classes, S - graduate seminar, ĆP - practical exercises, ĆM - specialized (medical) exercises, ĆK - specialized (clinical) exercises, LO - laboratory exercises, LI - computer laboratory, ZTI - information technology classes, P - project exercises, ZS - seminar classes, ZT - field classes, ĆT - specialized exercises (field), ĆAP - specialized exercises (art/design), ĆS - specialized exercises (sports), ĆF - specialized exercises (physiotherapy), ĆL - specialized exercises (laboratory), PD - diploma laboratory, PR - professional practice, SK - self-study

Substantive data

Entry requirements:
Knowledge, skills and competencies in anatomy, physiology, pathology, pharmacology, fundamentals of nursing, internal medicine and internal medicine nursing Full uniform and ID badge are required for practical classes.

Specific learning outcomes			
Lp.	Students who pass the course, know and understand/are ready to	Effect code for the field of study	"Method of verifying learning outcomes"
1	models of nursing care for the healthy, sick, disabled and dying person	PL1_1.1.W06	Observation of task performance, examination, self-assessment, written work
2	Risk factors and health risks in patients of different ages	PL1_D.W01	Observation of task performance, examination, self-assessment, written work

3	Aetiopathogenesis, clinical manifestations, course, treatment, prognosis and principles of nursing care of patients in selected diseases	PL1_D.W02	Observation of task performance, examination, self-assessment, written work
4	principles of diagnosis and patient care planning in internal medicine, surgery, obstetrics-gynaecology, paediatrics, geriatrics, neurology, psychiatry, intensive care, palliative care, long-term care nursing	PL1_D.W03	Observation of task performance, examination, self-assessment, written work
5	types of diagnostic tests and rules for ordering them	PL1_D.W04	Observation of task performance, examination, self-assessment, written work
6	principles for the preparation of patients of different ages and conditions for examinations and diagnostic procedures, and for care during and after such examinations and procedures	PL1_D.W05	Observation of task performance, examination, self-assessment, written work
7	the properties of groups of medicines and their effects on the patient's systems and organs in different diseases in relation to age and health status, including adverse reactions, interactions with other medicines and routes of administration	PL1_D.W06	Observation of task performance, examination, self-assessment, written work
8	nursing standards and procedures used in the care of patients of different ages and conditions	PL1_D.W07	Observation of task performance, examination, self-assessment, written work
9	patient reactions to illness, hospital admission and hospitalisation	PL1_D.W08	Observation of task performance, examination, self-assessment, written work
10	principles for the organisation of specialised neurological care	PL1_D.W10	Observation of task performance, examination, self-assessment, written work
11	principles for the organisation of specialised neurological care	PL1_D.W18	Observation of task performance, examination, self-assessment, written work
12	methods and techniques for communicating with a patient unable to establish and maintain effective communication due to a medical condition or treatment used	PL1_D.W33	Observation of task performance, examination, self-assessment, written work
13	recognise health problems and identify priorities for nursing care	PL1_1.2.U03	Observation of task performance, examination, self-assessment, written work
14	independently provide preventive, diagnostic, therapeutic and rehabilitative services (within the scope of the regulations)	PL1_1.2.U05	observation of task performance, self-assessment
15	decide on the type and extent of care services	PL1_1.2.U06	Observation of task performance, self-assessment, written work
16	collect information, formulate a nursing diagnosis, set nursing care goals and plan, implement nursing interventions and evaluate nursing care	PL1_D.U01	Observation of task performance, self-assessment, written work
17	provide counselling on self-care for patients of all ages and health conditions regarding malformations, diseases and addictions	PL1_D.U02	Observation of task performance, self-assessment, written work
18	prevent disease complications	PL1_D.U03	Observation of task performance, self-assessment, written work
19	recognise complications following specialist diagnostic tests and surgical procedures	PL1_D.U08	Observation of task performance, self-assessment, medical simulation, written work
20	prepare the patient physically and mentally for diagnostic tests	PL1_D.U12	Observation of task performance, self-assessment, medical simulation, written work
21	document the patient's health situation, its dynamics and the nursing care provided, taking into account IT tools for data collection	PL1_D.U15	Observation of task performance, self-assessment, written work
22	teach the patient and carer how to select and use nursing and rehabilitation equipment and medical devices	PL1_D.U16	Observation of task performance, self-assessment, written work

23	recognise complications of pharmacological, dietary, rehabilitative and therapeutic treatment	PL1_D.U18	Observation of task performance, self-assessment, written work
24	hold a therapeutic conversation	PL1_D.U20	Observation of task performance, self-assessment
25	provide bedside rehabilitation and activation using elements of occupational therapy	PL1_D.U21	Observation of task performance, self-assessment
26	provide information to members of the treatment team about the patient's condition	PL1_D.U22	Observation of task performance, self-assessment, written work
27	assist the doctor during diagnostic examinations	PL1_D.U23	Observation of task performance, self-assessment, medical simulation
28	prepare and administer medicines to patients by various routes, either alone or on the doctor's instructions	PL1_D.U26	Observation of task performance, self-assessment
29	be guided by the best interests of the patient, respect the dignity and autonomy of those entrusted to their care, show understanding for the differences in world views and cultures, and show empathy in the relationship with the patient and his/her family	PL1_1.3.K01	Observation of task performance, self-assessment
30	respect for patients' rights	PL1_1.3.K02	Observation of task performance, self-assessment, medical simulation
31	exercising the profession autonomously and with integrity in accordance with ethical principles, including adherence to moral values and obligations in patient care	PL1_1.3.K03	Observation of task performance, self-assessment
32	take responsibility for their professional activities	PL1_1.3.K04	Observation of task performance, self-assessment
33	Anticipation and consideration of factors affecting one's own reactions and those of the patient.	PL1_1.3.K06	Observation of task performance, self-assessment
34	Recognizing and identifying one's own limitations in knowledge, skills, and social competencies, as well as self-assessing deficits and educational needs "	PL1_1.3.K07	Observation of task performance, self-assessment

Methods used to achieve the learning outcomes (teaching methods)

Practical methods, instructive methods, problem solving methods, independent student work (self-study)

Criteria for Assessing and Verifying Learning Outcomes

Knowledge:

- **Exam** (single-choice and multiple-choice test)
- **Task Observation** (direct observation of the student performing actions appropriate to the specific professional task)
- **Assessment of Written Work** (assessment of a nursing report, written project evaluation)
- **Self-assessment** (evaluation of one's own skills or competencies performed by the student)

Skills:

- **Task Observation** (direct observation of the student performing actions appropriate to the specific professional task)
- **Assessment of Written Work** (assessment of a nursing report, written project evaluation)
- **Self-assessment** (evaluation of one's own skills or competencies performed by the student)
- **Medical Simulation** (simulation of medium and high fidelity)

Social Competence:

- **Task Observation** (direct observation of the student performing actions appropriate to the specific professional task)
- **Self-assessment** (evaluation of one's own skills or competencies performed by the student)
- **Medical Simulation** (simulation of medium and high fidelity)

Conditions for passing

lecture - credit
self-study - pass/fail
specialized classes - pass/fail
exam - in a written form - single and multiple choice test

Credit requirements

Lecture: getting a pass on the single and multiple choice test (60% of positive answers).
 Exam - getting a passing grade after obtaining a minimum of 60% of the maximum number of points from the single and multiple-choice test.

Conditions for passing of the exercise

- credit of the seminar subjects
- Credit of classes in medical simulation laboratory
- credit for realization of patient and/or family health education
- credit for knowledge of pharmacotherapy
- credit of the nursing process of a patient from two days,
- pass all learning outcomes with min. 60% of the maximum number of points
- 100% attendance at classes - in case of excused absence, practical classes must be completed at another time, previously agreed with the instructor

Final grade determined according to the accepted criteria of specialized exercises
 When verifying the learning outcomes, the grading scale in accordance with the AT Academic Regulations applies.

Information about the course (short version)

Etiopathogenesis of neurological disorders. Diagnostic methods in neurology. Disorders of basic vital functions: circulation, respiration and consciousness ? Their effect on the functions of the nervous system. Disorders of sensation, movement and muscle tone. Congenital and acquired defects of the nervous system. Vascular diseases of the brain. Brain injuries and spinal cord injuries. Demyelinating diseases. Tumors of the brain. Diseases of muscles and peripheral nerves. Nursing of patients with diseases of the nervous system.

Content of the study programme (short version)

Etiopathogenesis of neurological disorders. Diagnostic methods in neurology. Disorders of vital functions: blood circulation, respiration and consciousness - their impact on the function of the nervous system. Abnormal sensation, movement and muscle tension. Congenital and acquired defects of the nervous system. Cerebrovascular diseases. Brain injuries and spinal cord damages. Demyelinating diseases. Brain tumors. Diseases of muscles and peripheral nerves. Nursing care of patients with diseases of the nervous system.

Treści programowe

	The number of hours
--	---------------------

Semestr: 5

Form of classes : lecture

1.Modern diagnostic methods used in neurology. 2.Vascular diseases of the brain 3.Syndromes and symptoms in neurology 4.The nurse's participation in the diagnosis and treatment of neurological patients 5.Care of patients with: - epilepsy - Parkinson's disease - dementia - multiple sclerosis - myasthenia gravis - vascular diseases of the brain - discopathy - cranio-cerebral trauma - spinal cord injury - spinal cord injury - tumor of the central nervous system	60
---	----

Form of classes : self-education

Forms of self-education to choose from: (a) participation in a scientific conference in the field of neurology confirmed by a certificate with a written report of participation in the conference; b) abstract of a scientific article in the field of neurology - articles up to 2 years back will be considered (providing a report and a photocopy of the article)	25
--	----

Form of classes : medical specialized exercises

1.Introduction to practical classes in the department of neurology. Getting acquainted with the organization of work in the department, the topography of the department, getting acquainted with the staff, health and safety regulations, rules and regulations and the program of classes. Presentation of the overall goal and specific objectives. Discussion of students' expectations in the process of implementation of practical activities. Assessment by students of their own predispositions useful for working with patients with neurological disorders (the student will determine their strengths and weaknesses).	80
--	----

Presentation of the tasks of the nurse in the care of neurological patients.

- 2.The procedure for admitting a patient to the neurology department, the documentation in force in the department, the preliminary examination of a newly admitted patient. Recognition of nursing problems and their prioritization.
- 3.The procedure for preparing patients for diagnostic tests in the neurology department and nursing patients after the test.
4. Recognition of nursing problems in an unconscious patient and planning the care of this patient.
5. nursing and rehabilitation activities for neurological patients in the acute and chronic periods, prevention of disability.
6. comprehensive nursing management in the pre. Intra. and post-operative period in the department of neurosurgery.
7. Specifics of nursing activities after neurosurgical procedures, prevention of complications, management of wounds, drains, postoperative improvement.
8. educational activities of the nurse in relation to persons with damage to the nervous system and their caregivers in the hospital and home environment.
9. Application of knowledge of terminal care in practice to help the patient and his family. Preparation of the patient for discharge. Participation of the nurse in the organization of care for neurological patients in the home environment.
10. Confrontation of the learning objectives contained in the practical classes with the expectations of the students. Student self-assessment and teacher evaluation.

Monoprofile Medical Simulation Center (8 hrs).

- 1 The procedure for preparing patients for diagnostic tests in the neurology department and nursing patients after the test. Assisting with lumbar puncture.
2. Recognizing nursing problems in an unconscious patient and planning care for that patient.

80

Literature

Hickey Joanne V. **The Clinical Practice of Neurological and Neurosurgical Nursing** Lippincott Williams & Wilkins 2019

Newton Mei & Lauren Malinowski-Falk & Allison M. Lang & Jesse Edwards & René Daniel **Nursing Management of the Neurosurgical Patient: An Interprofessional Approach**, 1st Edition Elsevier 2024

"Qualitative data"

Assignment of classes/groups of classes to a scientific/artistic discipline	Health sciences
Method of determining the number of ECT credits	
Form of student workload (class participation, activity, report preparation, etc.)	Student workload [in hours]
Participation in classes	165
consultations with the instructor	1
Participation in the exam	1
Direct contact with the instructor - to be filled only in strictly defined, well-documented situations	0
Preparation for lab work, practicals, and classes	4
Preparation for colloquia and exams	5

Individual student work with literature, lectures, etc.	2	
Other	2	
Total student workload	180	
The number of ECTS points		
The number of ECTS points	6	
Classes requiring direct participation of an academic teacher	Hours	ECTS
	167	5,6
Practical classes	Hours	ECTS
	80	2,7

1h = 45 min; 1 ECTS point = 25-30h

In the 'Number of ECTS credits' section, the sum of ECTS credits of classes requiring direct participation of an academic teacher and of practical character may differ from the total number of ECTS credits for classes/groups of