

**Pomorski Uniwersytet Medyczny w Szczecinie**  
**COURSE SYLLABUS**

**General information**

<b>Course title: Neurology</b>	
Type of course	Mandatory
Name of the Faculty of PUM	Faculty of Medicine and Dentistry
Field of study	Medicine
Specialization	Not applicable
Level of study	long-term studies
Mode of study	full-time/ part-time
Year of study /semester	V year
Number of allocated ECTS credits	5
Forms of teaching (number of hours)	Lectures 5/seminars 20/practical classes 60 hours
Ways of verifying and assessing learning outcomes <sup>1</sup>	<input type="checkbox"/> graded credit: <ul style="list-style-type: none"> <li><input type="checkbox"/> descriptive</li> <li><input type="checkbox"/> test</li> <li><input type="checkbox"/> practical</li> <li><input type="checkbox"/> oral</li> </ul> <input type="checkbox"/> credit without grade  <input type="checkbox"/> final exam: <ul style="list-style-type: none"> <li><input type="checkbox"/> descriptive</li> </ul>

<sup>1</sup> \* mark as appropriate, **changing**  to

	<input type="checkbox"/> test <input type="checkbox"/> practical <input checked="" type="checkbox"/> oral
Head of Unit	Dr. n.med. Marta Masztalewicz
Teaching assistant professor or person responsible for the course	Dr n.med. Monika Gołąb-Janowska, Dr n. med. Jolanta Turowska-Kowalska,
Name and contact details of unit	Department and Clinic of Neurology PUM
Unit's website	<a href="https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/katedra-i-klinika-neurologii">https://www.pum.edu.pl/wydzialy/wydzial-lekarsko-stomatologiczny/katedra-i-klinika-neurologii</a>
Language of instruction	Polish/English

#### Detailed information

Course objectives	<p>The objective of the general neurology course is to recall and expand on the anatomy and physiology of the nervous system and to familiarise students with disorders of its structure and function that underlie neurological conditions. During this time, students gain an understanding of the technique of neurological examination.</p> <p>The clinical part is devoted to the acquisition of skills in the interpretation of the results of the neurological examination, as well as the differential diagnosis in neurology and the treatment of disorders of the nervous system. This part of the curriculum will also draw attention to the interdisciplinary (consultative) nature of neurology, i.e. its relationship with other clinical disciplines.</p>
Initial requirements	<p>Knowledge</p> <p>He/she knows anatomical, histological and embryological nomenclature of neurology in Polish and English</p> <p>He/she knows the structure of the human body from a topographical (upper and lower limbs, chest, abdomen, pelvis, back, neck, head) and functional (skeletal and articular system, muscular system, cardiovascular system, respiratory system, digestive system, urinary system, sexual systems, nervous system and sensory organs, common carapace) point of view</p>

		<p>He/she knows the basic cellular structures and their functional specialisations</p> <p>He/she knows the anatomy of the nervous system</p> <p>He/she knows the concept of the reflex arc</p>
	Skills	<p>He/she knows basic scope of the interview</p> <p>He/she knows basic scope of the physical examination in internal medicine</p>
	Social competences	<p>Social maturity</p> <p>Socialisation</p> <p>Ability to adapt oneself to the situation</p>

<b>LEARNING OUTCOMES</b>			
<b>Number of learning outcome</b>	<b>A student who has completed the COURSE knows/can:</b>	<b>SYMBOL (reference to) learning outcomes for the field of study</b>	<b>Means of verifying the effects of learning outcomes*</b>
W01	He/she knows and can distinguish between basic neurological symptom complexes	K_E.W13	EU
W02	<p>He/she knows and understands the causes, symptoms, principles of diagnosis and therapeutic management of the most common diseases of the nervous system, including:</p> <p>a) headaches: migraine, tension-type headache and headache syndromes and V nerve neuralgia,</p> <p>b) cerebrovascular diseases, in particular stroke,</p> <p>c) epilepsy,</p>	K_E.W14	EU

	<p>d) infections of the nervous system, in particular meningitis, Lyme disease, herpes encephalitis, neurotransmission diseases,</p> <p>e) dementias, in particular Alzheimer's disease, frontal dementia, vascular dementia and other dementia syndromes,</p> <p>f) diseases of the basal nuclei, in particular Parkinson's disease,</p> <p>g) demyelinating diseases, in particular multiple sclerosis,</p> <p>h) diseases of the neuromuscular system, in particular amyotrophic lateral sclerosis and sciatica, craniocerebral trauma, in particular concussion</p>		
U01	He/she takes a medical history of the adult patient	K_E.U1	S
U02	He/she performs a complete and focused physical examination of the adult patient	K_E.U3	S
U03	He/she assesses the general condition, state of consciousness and awareness of the patient	K_E.U7	S
U04	He/she plans diagnostic, therapeutic and preventive procedures	K_E.U16	SP
K01	He/she is aware of the social and cultural differences that influence the individual interpretation of a life situation	K_K08	0
K02	He/she accepts the autonomy of each person	K_K09	0
K03	He/she is aware of patients' rights	K_K11	0
K04	He/she shows concern for the prestige of the profession	K_K13	0
K05	He/she is able to maintain medical confidentiality	K_K14	0
K06	He/she is aware of religious feelings and other people's beliefs about the human body	K_K19	0
K07	He/she demonstrates respect for patients/clients/social groups out of	K_K20	0

	concern for their welfare		
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Table of learning outcomes in relation to the form of classes								
Number of learning outcome	Learning outcomes	Form of the classes						
		Lecture	Seminar	Practical classes	Clinical practical classes	Simulations	E-learning	Other forms
W01	K_E.W13				X			
W02	K_E.W14	X	X					
U01	K_E.U1				X			
U02	K_E.U3				X			
U03	K_E.U7				X			
U04	K_E.U16				X			
K01	K_K08				X			
K02	K_K09				X			
K03	K_K11				X			
K04	K_K13				X			
K05	K_K14				X			
K06	K_K19				X			
K07	K_K20				X			

TABLE OF CURRICULUM CONTENT			
curriculum content	Curriculum content	Number of hours	Reference to the learning outcomes for the COURSE
<b>Lectures</b>			
TK01	Neurophysiology in outline	1	2
TK02	Disorders of consciousness and awareness	1	2
TK03	Shoulder and back pain	1	2
TK04	Neurological syndromes in internal medicine	1	2
TK05	Neurological emergencies	1	2
<b>Seminars</b>			
TK01	Headaches	2	2

TK02	Autoimmune diseases of the central nervous system	2	2
TK03	Autoimmune diseases of the peripheral nervous system	2	2
TK04	Epilepsy	2	2
TK05	Tumours of the central nervous system	2	2
TK06	Degenerative diseases of the CNS	2	2
TK07	Diseases of the nervous system with dementia	2	2
TK08	Diseases of the peripheral nervous system	2	2
TK09	Neuromuscular junction and muscle diseases	2	2
TK10	Cranial nerves	2	2
<b>Practical classes</b>			
TK01-12	<b>Neurological examination in practice, with interpretation of identified abnormalities, planning of diagnostics, possible treatment; with a proper medical attitude towards the patient</b>	5h x12	1,3,4,5,6,7,8,9,10,11,12,13

<b>Recommended literature:</b>
Reference literature
1. Kompendium Neurologii pod redakcją Ryszarda Podemskiego, Via Medica Wyd.III Gdańsk 2014
Complementary literature
1. Badanie neurologiczne - to proste, G. Fuller, PZWL, Wyd. IV 2009.
2. Neurologia C. Warlow, PZWL, 1996
3 Neurologia. Podręcznik dla studentów medycyny. W.Kozubski, P.Liberski [red.] PZWL, 2011.
Chapters on seminar curriculum content.

<b>Student workload</b>	
Form of student workload (course attendance, student's involvement, report preparation, etc.)	Student workload [h]
	In the teacher's assessment (opinion)
Contact hours with the teacher	85
Preparation for practical classes/seminar	24
Reading of designated literature	12
Writing a lab/practical classes report/preparing a project/reference paper, etc.	0
Preparation for the test/colloquium	0
Preparation for the examination	35
Other .....	0
<b>Total student workload</b>	<b>156</b>
ECTS credits	5
<b>Notes</b>	

\*Example ways to verify learning outcomes:

EP - written exam

EU - oral test

ET - test exam

EPR - practical test

K - colloquium

R - paper

S - testing of practical skills

RZĆ - report on practical classes with discussion of results

O - assessment of student's involvement and attitude

SL - Laboratory report

SP - case study

PS - assessment of ability to work independently

W - a short test before the beginning of class

PM - multimedia presentation

and other